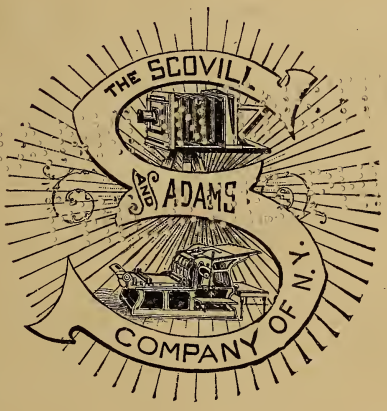
CAMERAS
PHOTOGRAPHIC LENSES
HAMMER • DRY • PLATES
AND GENERAL SUPPLIES

"The best of everything photographic"



THE SCOVILL & ADAMS CO. OF N. Y.
MAIN OFFICE: 60 & 62 EAST 11th ST.
NEW YORK

PRESS OF STYLES & CASH, NEW YORK.

PHILADELPHIA
ANNUAL

TO OUR FRIENDS AND PATRONS.

WE take pleasure in presenting to you our combined catalogue of professional Cameras, Supplies, and Photo-Engraving Specialties. We have endeavored to compile in this catalogue, in a condensed form, a list of the latest professional goods, comprising only progressive articles, which are kept in stock at all times by us. There are, notwithstanding, a great many articles not included, which we furnish on order, for we are an emporium of everything photographic. Do not hesitate, therefore, to send us your orders for anything in the photographic line, even though it is not listed in this or any other of our catalogues.

3/196

TERMS.

REMITTANCES. To avoid risk, we prefer remittances by Express, Money Order, Draft on New York, Registered Letter, or Post Office Money Order.

NEW ACCOUNTS. We desire new accounts, but those who are unknown to us will save delay to their orders by giving references where they desire to open an account with us.

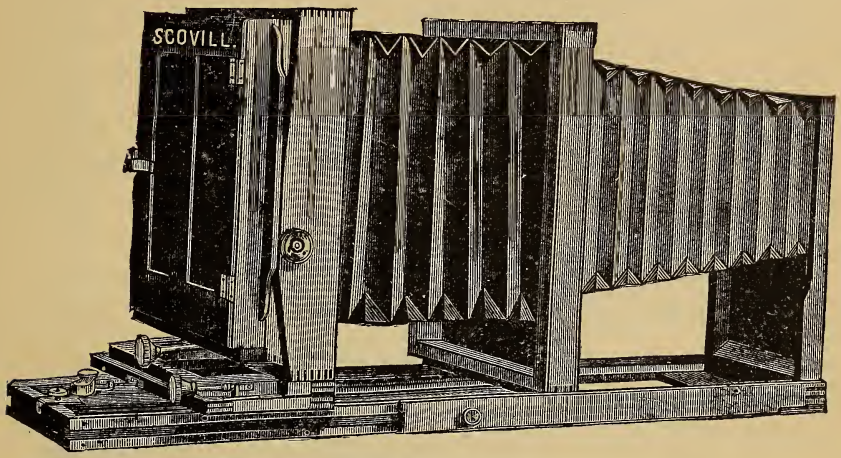
C. O. D. SHIPMENTS. In every instance where a C. O. D. shipment is ordered, at least double the amount of the transportation charges must be remitted.

MAIL PACKAGES. We do not assume the risk—which is considerable—on packages sent by mail. They are sent at the risk of the purchaser.

BREAKAGE. We employ only experienced packers, who, under our supervision, pack with the utmost care; therefore we cannot be held responsible for breakage in transportation.

COMMISSION ORDERS. We can only accept orders for goods not made by us or carried in stock with the understanding that such orders will be filled to the best of our ability; that the goods cannot be returned, and that the prices cannot be altered which we may be obliged to charge.

AMERICAN OPTICAL CO.'S HIGHEST GRADE PORTRAIT CAMERAS.



The American Optical Co.'s Portrait Cameras are manufactured from the best mahogany, French polished, They have India-rubber bellows, the V-shaped wooden guides, and, in sizes up to 8 x 10, are made with a focusing cam.

Larger sizes, 11 x 14 and upwards, are furnished with our telescopic platform and have Lever Focusing Attachment, by which the most delicate focus can be adjusted with the utmost facility and ease.

The attention of operators is especially called to the Double Swing-back on these fine Studio Cameras. When lenses of short focal length are used, the face is very often distorted, unless the operator tips his camera, and even then he is apt to get the face elongated or widened, unless he is very careful. Any operator who has been annoyed by being unable to reflect the image upon the ground glass without distortion, will see how completely this arrangement overcomes the difficulty.

Very often it is desirable to get a little more of the lower or upper part of the figure, or of one side more than the other in the picture than can be done with the old style camera, without moving the person or the camera. This can be done quickly by means of the Double Swing-back, which allows the operator to make any change, laterally or vertically, he desires, until the figure is properly delineated on the ground glass.

HIGHEST GRADE PORTRAIT CAMERAS.—Cont.

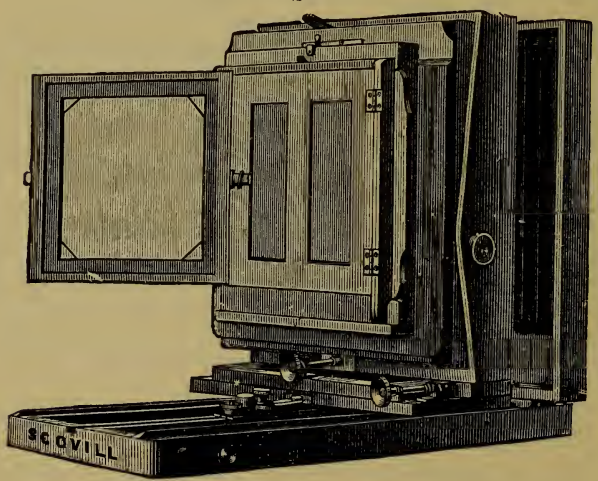
Sizes and Prices of American Optical Co.'s Portrait Cameras.

No.	Size.	To Cover Plate.					With Double Swing-back.
1	1-4	3¼ x 4¼	inches				$20 00
2	1-2	4¼ x 5½	"				27 00
3		4¾ x 6½	"				30 00
4	4-4	6½ x 8½	"				35 00
5	Extra	4-4	8 x 10 ins.,	with platform	30	in. long	38 00
6		10 x 12	"	"	36	"	48 00
7		11 x 14	"	"	48	" and vertical shifting front	64 00
8		12 x 15	"	"	48	" "	72 00
9		14 x 17	"	"	60	" "	76 00
10		16 x 20	"	"	65	" "	88 00
11		17 x 20	"	"	65	" "	90 00
12		18 x 22	"	"	70	" "	100 00
13		20 x 24	"	"	72	" "	110 00
14		22 x 27	"	"	72	" "	130 00
15		25 x 30	"	"	80	" "	170 00
16		30 x 38	"	"	100	" "	350 00

These Portrait Cameras are fitted with the Waterbury Curtain Slide Holders, unless Bonanza Holders are wanted and that preference is indicated when order is given.

THE AMERICAN OPTICAL CO.'S BOSTON IMPERIAL CAMERAS.

EXTRA QUALITY.



The 11 x 14 Boston Imperial Camera is the same as an 11 x 14 Portrait Camera, with the addition of an 8 x 10 carriage and an 8 x 10 holder, and is used to make two imperials on an 8 x 10 or 4-4 plate, using one 4-4 lens,

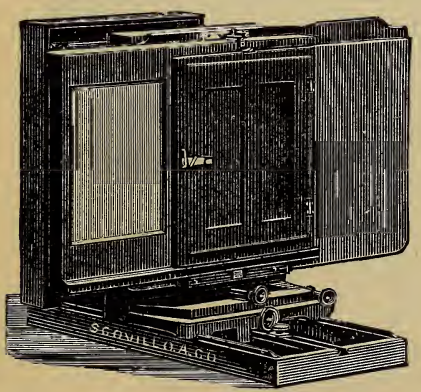
two cards on a 5 x 8 plate, using one-half size lens; two large panel pictures, 6 x 10 inches in size, can also be made, and regular work from 11 x 14 to one-quarter inclusive.

			With Double Swing-back.
No. 30.—11 x 14	Boston Imperial Camera, with	8 x 10 attachment and holder	$85 00
" 31.—14 x 17	" " " "	8 x 10 "	100 00
" 32.—17 x 20	" " " "	8 x 10 "	110 00
" 33.—18 x 22	" " " "	8 x 10 "	120 00
" 34.—20 x 24	" " " "	11 x 14 "	140 00

The Boston Imperial Cameras are fitted with the Waterbury Curtain Slide Holders, unless Bonanza Holders are wanted and that preference is indicated when order is given.

THE AMERICAN OPTICAL CO.'S ROYAL CAMERAS.

EXTRA QUALITY.

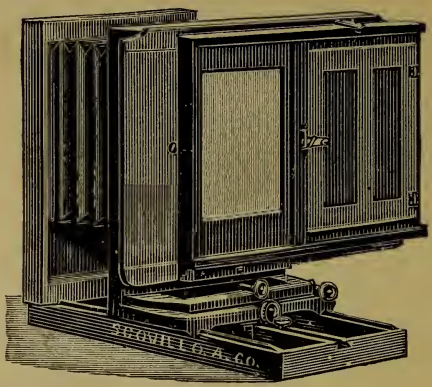


This camera does precisely the same work as an Imperial Camera, and has all the latest improvements. It has a carriage for the plate-holder, and the ground glass is where it is always ready to be brought into use. When the operator brings the plate-holder from the dark-room, he slides it into the carriage instead of placing it on the floor or some other inconvenient place while he obtains the focus. After securing the desired focus, he merely slides the ground glass to one side, in place of removing it, and simultaneously brings the plate-holder into place.

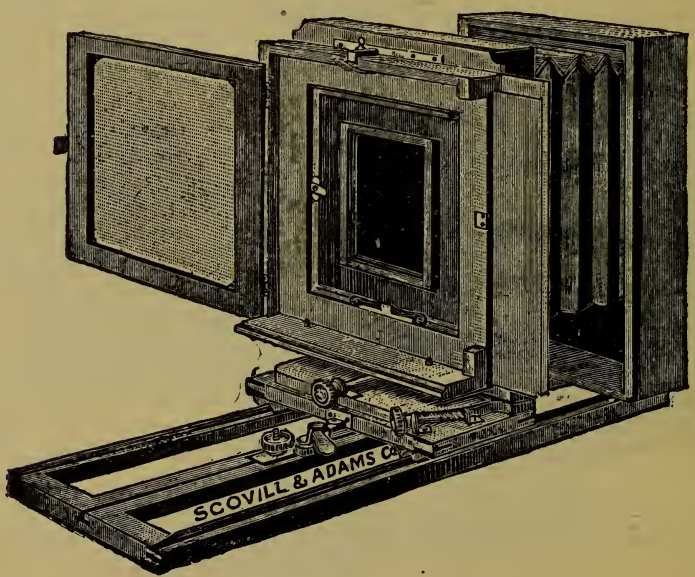
No. 40.—	8 x 10 Royal Camera, Double Swing-back	$50 00
" 40½.—	10 x 12 " " "	66 00
" 41.—	11 x 14 " " "	85 00
" 42.—	14 x 17 " " "	110 00

Above the 8 x 10 size an extra ground glass is supplied for use in focusing when pictures and groups are being taken.

The American Optical Co.'s Royal Cameras are fitted with the Waterbury Holders, unless Bonanza Holders are wanted and that preference is indicated when order is given.



PEERLESS IMPERIAL CAMERA No. 2.

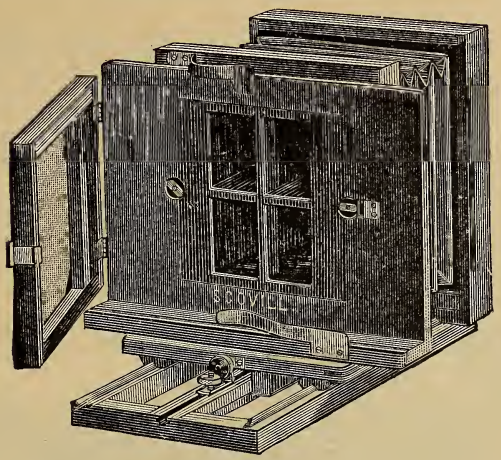


These cameras are the same as the No. 1, but are *not polished.*

	D. S. B.	Without Swing.
8 x 10	$25 00	$20 00

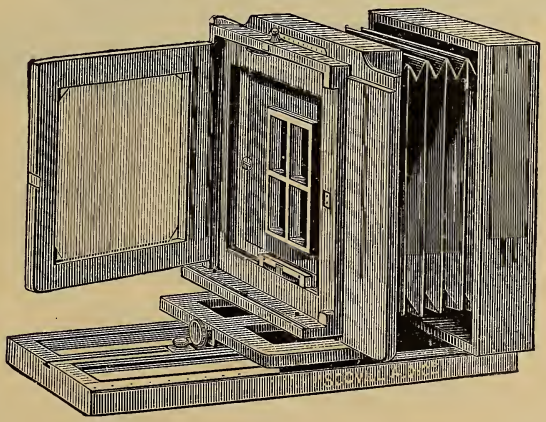
ACME 5x7 STANDARD VICTORIA CAMERAS.

(THE FERROTYPER'S CAMERA.)



No. 515.—Without lenses..... $18 00
" 516.—With four ¼ lenses on a brass plate..... 33 00

CINCINNATI GEM CAMERAS.



This camera, by some called the Lakeside, makes with one tube one picture on either a 1-4, 1-2, 4-4, 8 x 10, 5 x 7, or 7 x 10, plate, and two on either a 5 x 7, 7 x 10, or 8 x 10 plate.

It makes with four 1-4 gem tubes on brass plate, four or eight pictures on a 5 x 7, or 7 x 10 plate.

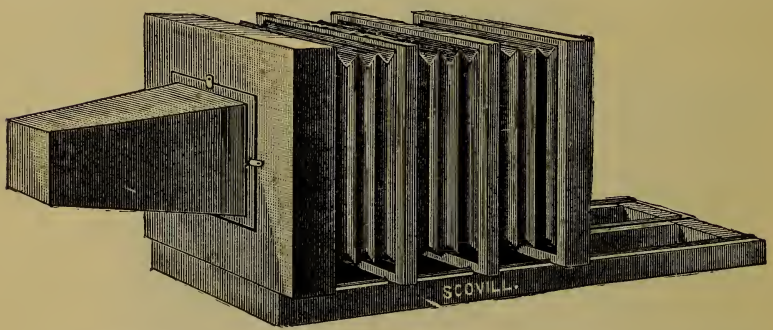
CINCINNATI GEM CAMERAS.—Cont.

The 7 x 10 and 5 x 7 are rabbeted kits. The kits for all other sizes are supplied with solid glass corners—Scovill's Improved. It has but one outside holder, in which all the kits reverse.

	Unfitted with Solid Glass Corner Holder.	Fitted with four 14 Darlot Gem Tubes.	Unfitted with Waterbury Holder.
No. 540—Sliding S. G. C. Holder (without Carriage or swing)	$22 00	$37 00	
" 541—Carriage Movement	25 00	40 00	$32 00
" 542—Single Swing	28 00	43 99	35 00
" 543—Double Swing	33 00	48 00	40 00
" 544—Cincinnati Imp'l Camera Carriage	27 00	with Bonanza Holder.	
" 545—Cincinnati Imp'l Camera, Double Swing	30 00	with Bonanza Holder.	

When ordering please state style of Holders wanted.

AMERICAN OPTICAL CO.'S COPYING CAMERAS.



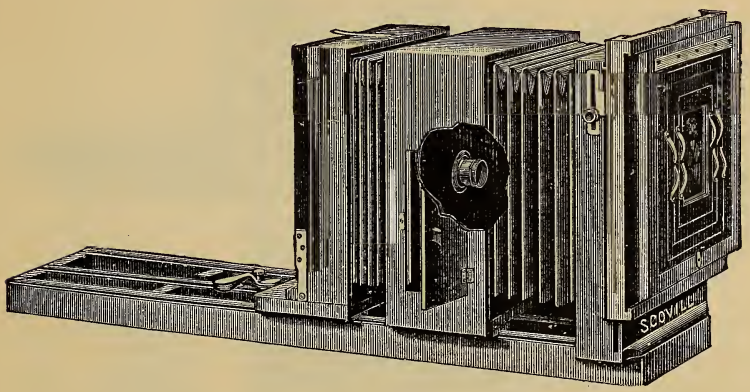
These cameras are made of hardwood shellacked, not varnished. Naturally, they are without swing, but in every requisite they are complete. Such varied lengths of bed are required and ordered that we can only give a price list for Copying Cameras with the regulation length of bed. We make them to order of any length of platform desired, either rigid or detachable and with either single or double bellows.

	With Scovill-Levy Photo-Eng. Holder.	With Bonanza or Waterbury Holder.
No. 71.— 8 x 10, with bed 3¾ feet in length	$45 00	$30 00
" 72.—10 x 12, " 4 " "	55 00	38 00
" 73.—11 x 14, " 4½ " "	65 00	45 00
" 74.—14 x 17, " 5 " "	75 00	58 00
" 75.—17 x 20, " 6 " "	85 00	64 00
" 76.—20 x 24, " 6 " "	125 00	90 00

Larger sizes made to order.

When ordering Copying Camera, please state style of holder desired; also give length of cone, if that is needed.

THE AMERICAN OPTICAL CO.'S ENLARGING, REDUCING AND COPYING CAMERAS.



When ordering, please specify number and sizes of kits, also style of Holder wanted.

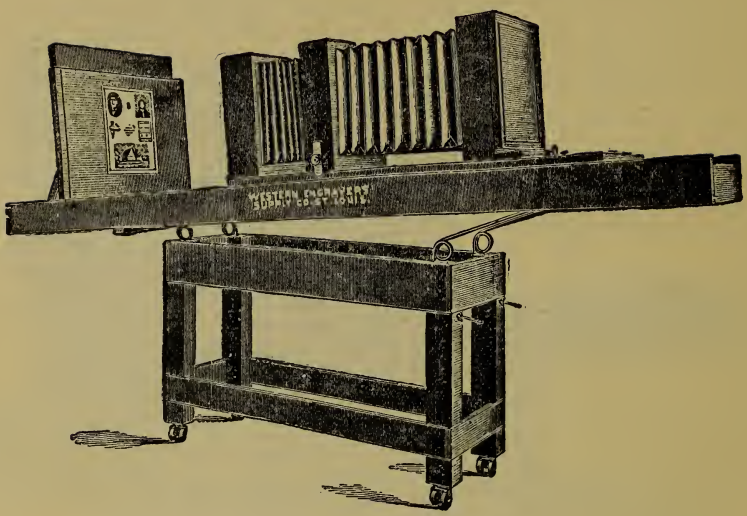
		With Scovill-Levy Photo-Eng. Holder.	With Bonanza or Waterbury Holder.
No. 62.—Size	8 x 10, 5 ft. bed	$56 00	$35 00
" 63. "	10 x 12, 5 "	60 00	48 00
" 64. "	11 x 14, 5 "	75 00	60 00
" 65. "	14 x 17, 6 "	90 00	72 00
" 66. "	17 x 20, 7 "	105 00	90 00
" 67. "	20 x 24, 7 "	135 00	110 00

Special sizes and styles made to order.

The form of construction of this new camera is apparent by the illustration here shown.

Camera Back with Revolving, Rising and Vertical Sliding Lantern Slide Attachment, L. S. Plate Holder.....$15 00

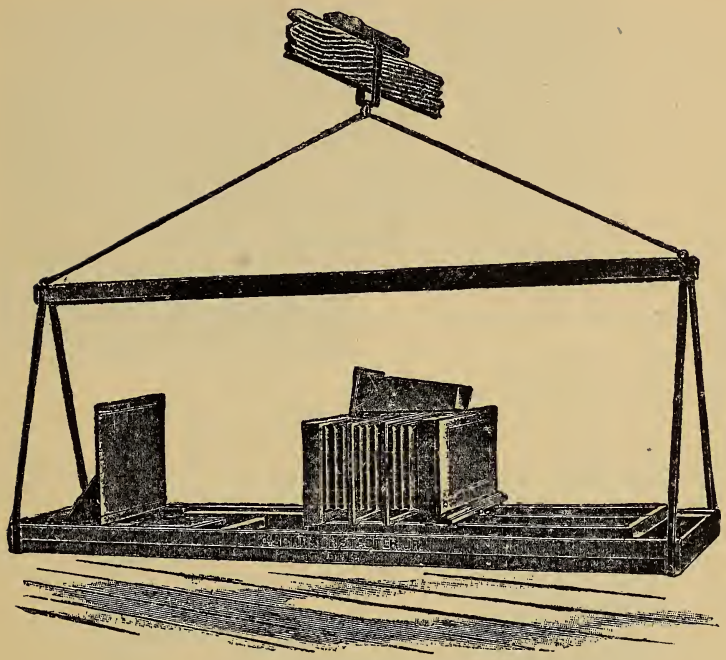
CAMERA STAND.



Solidly and compactly built. The frame rests on patent double casters, permitting the stand to be moved as the light changes. The bed is fastened to the stand by four steel springs which effectually prevent any vibration from affecting the negative. The back springs can be quickly adjusted so as to set the bed to stand at any desirable slant. Neatly finished and stained in imitation of cherry. Prices do not include copy boards or holders.

For	8 x 10	inch	Camera,	length of bed,	8	feet	$12 50
"	10 x 12	"	"	"	9	"	15 00
"	11 x 14	"	"	"	10	"	17 50
"	15 x 17	"	"	"	12	"	20 00
"	17 x 20	"	"	"	15	"	22 50
"	20 x 24	"	"	"	20	"	28 00

CAMERA SWING.



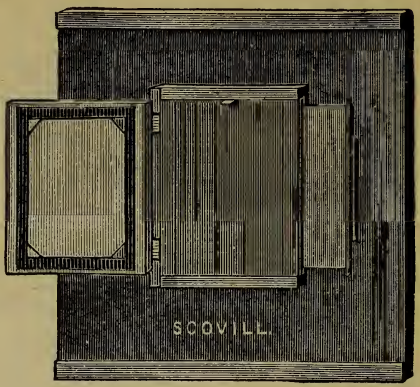
Attached to the ceiling, its use prevents indistinct negatives, as camera and copy swing together if the building vibrates. The slides and cross beam are of well seasoned lumber, and the suspension arms and hooks are of wrought iron.

For	8 x 10 inch	Camera,	length of bed,	8 feet	.....	$12	00
"	10 x 12 "	"	"	9 "	.....	13	00
"	11 x 14 "	"	"	10 "	.....	15	00
"	14 x 17 "	"	"	12 "	.....	18	00
"	17 x 20 "	"	"	15 "	.....	24	00
"	20 x 24 "	"	"	20 "	.....	30	00

Other sizes and lengths made to order.

AMERICAN OPTICAL CO.'S ADJUSTERS FOR CABINET WORK.

These are made to fasten in the same place as the back diaphragms, which must be displaced while the adjuster is used, and are designed for use with SCOVILL PATENT SINGLE LIGHT-WEIGHT HOLDERS. With each is a hinged ground glass.



Price of Adjuster with hinged ground glass and carriage arranged for either 4¼ x 6½, 5 x 7 or 5 x 8 Cabinet Negatives, according to choice, as follows:

Adjuster for 8 x 10 American Optical Co. Portrait Camera, with one Single Light-Weight Holder						.....	$8 00
"	" 10 x 12	"	"	"	"	.....	9 00
"	" 11 x 14	"	"	"	"	.....	10 00
"	" 12 x 15	"	"	"	"	.....	11 00
"	" 14 x 17	"	"	"	"	.....	11 00
"	" 15 x 18	"	"	"	"	.....	12 00
"	" 17 x 20	"	"	"	"	.....	13 00
"	" 18 x 22	"	"	"	"	.....	13 00
"	" 20 x 24	"	"	"	"	.....	14 00

Extra Single Light-Weight Holders.

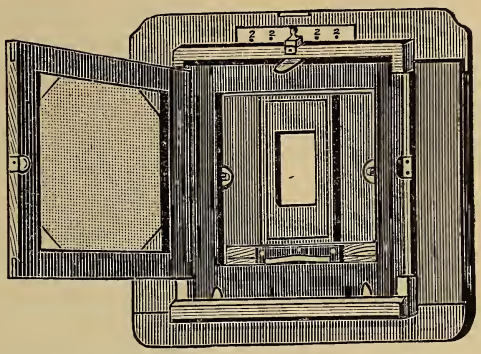
4¼ x 6¼	Single Light-Weight Holders					per doz.,	$13 00
5 x 7	"	"	"	.....		"	14 50
5 x 8	"	"	"	.....		"	15 50
6½ x 8½	"	"	"	.....		"	18 00
8 x 10	"	"	"	.....		"	21 00

ATTACHMENTS FOR AMERICAN OPTICAL CO.'S PORTRAIT CAMERAS.

These attachments can, without bother, be laid aside when large sized pictures are to be taken, and be replaced when imperials or smaller pictures are to be made.

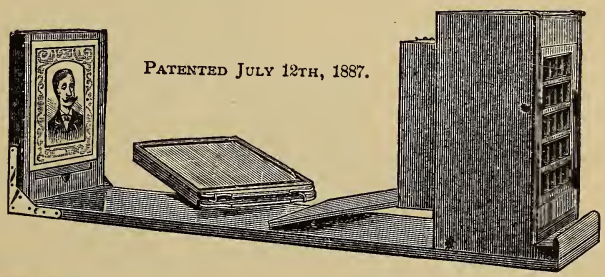
In ordering these, it will be necessary to specify name of camera in use, and the outside size of holder, to guard against possibility of error, and also to state whether Waterbury or Bonanza Holder is desired.

ATTACHMENTS FOR AMERICAN OPTICAL CO.'S PORTRAIT CAMERAS.—Cont.



		Size.	
8 x 10	Holder and Attachment for No. 7 Camera,	11 x 14.....	$22 00
8 x 10	" " " 9 "	14 x 17.....	26 00
8 x 10	" " " 11 "	17 x 20.....	32 00
11 x 14	" " " 13 "	20 x 24.....	42 00

THE HYATT STAMP PORTRAIT APPARATUS.



PATENTED JULY 12TH, 1887.

STAMP PHOTO.

With this wonderful little instrument the photographer is enabled to reproduce from a cabinet photograph 25 small pictures, the size of a postage stamp, on a 5 x 7 plate, by simply placing the picture to be copied on the easel behind the mat or border and exposing and developing the plate in the usual manner.

No focusing is required; all the lenses are accurately adjusted and focused.

Stamp photographs are very popular and useful for many purposes, such as trade marks, business and society cards, campaign badges, letter heads, and a thousand and one other purposes. Made in sheets like postage stamps, gummed and perforated, or cut apart, and readily attached to any article.

Every live photographer will readily see the great importance of this useful invention, and the means whereby he can advertise and increase his business, as his name may appear on every stamp. Every instrument thoroughly tested and guaranteed.

Stamp Photo, size for 25, on 5 x 7 plate, including 2 borders, $50 00
Minette Photo, size for 8 on 5 x 8 plate, including 2 borders.. 40 00
Perforators for perforating same under our Stamp Patent (also issued July 12, 1887).. 35 00

MINETTE PHOTO.

EMPIRE PORTRAIT OUTFIT.

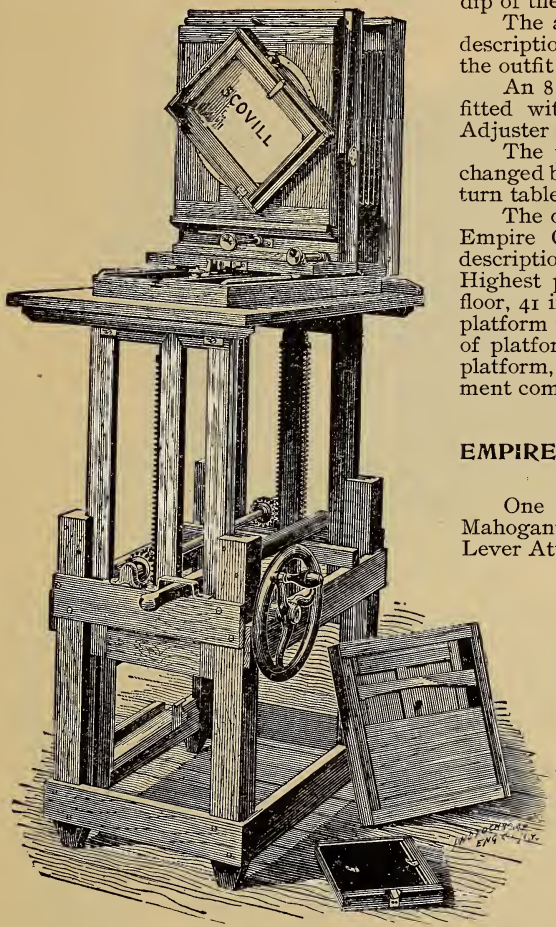
The Successful Photographer.

The secret of a successful photographer lies in his ability to pose and take the negatives quickly without tiring out the sitter. An impatient and tired-out countenance does not lend itself to the production of a successful photograph. Now, it is impossible to take half a dozen negatives quickly if the operator has to run to the dark-room to load the plate-holder after each exposure, and experience must have taught our readers that the regular holders furnished with portrait cameras are too expensive to enable the majority of galleries to lay in a supply of them. The Scovill factory having this point in view, and in their endeavors to come to the rescue of the fraternity—whose interests they seek to further—have designed a camera which solves this difficulty. The camera is substantially the same as the other well-known portrait cameras made by the American Optical Company, only that it is combined with a revolving-back attachment that takes a 5 x 7 light-weight single holder. The great advantage of a revolving-back will at once be apparent to any photographer, and calls for no recommendation from our pen, and the convenience of having half a dozen or more light-weight holders of an inexpensive kind is well illustrated by our introductory remarks. This camera is further combined with a newly designed camera stand called the Empire, thus forming a complete portrait outfit; in other words, "The Empire Portrait Outfit," about which the photographic journals have made so many complimentary remarks. The manipulation of the camera stand is as follows:

The elevating is done by turning a handled wheel at the side of the stand; the gearing from this connects with the front and rear platform support, causing the platform to rise or fall according to which way the handle is turned.

At the back of the stand is a lever which, when pressed to the right, throws the gear wheel in front out of gear, and locks the front platform support. On turning the handled wheel from you, the back of the platform is raised, giving the platform an inclination forward of about 15 degrees. By pressing the lever arm to the left the front gear is again placed in position, and upon turning the handled wheel from you, the platform may

be raised without disturbing the dip of the platform. If the handled wheel is turned toward you, the platform will be lowered without disturbing the dip of the platform.



The accompanying cut and description will further illustrate the outfit referred to.

An 8 x 10 Portrait Camera, fitted with a Revolving Back Adjuster for 5 x 7 plates.

The position of the plate is changed by simply revolving the turn table of the adjuster.

The outfit also comprises an Empire Camera Stand, which description we give as follows: Highest point from platform to floor, 41 ins.; lowest point from platform to floor, 26 ins.; width of platform, 18 ins.; length of platform, 30 ins.; price of equipment complete, $45.00.

SCOVILL'S EMPIRE PORTRAIT OUTFIT

CONSISTS OF

One 8 x 10 Double Swing Mahogany Portrait Camera, Lever Attachment, with Waterbury Holder, Curtain Slide.

One Revolving Back Adjuster. Can be made for either 4¼ x 6½, 5 x 7, or 5 x 8 Plates.

One Empire Camera Stand. For lightness, compactness, portability, ease and rapidity of movement.

$45.00.

11 x 14 size, $70.00.

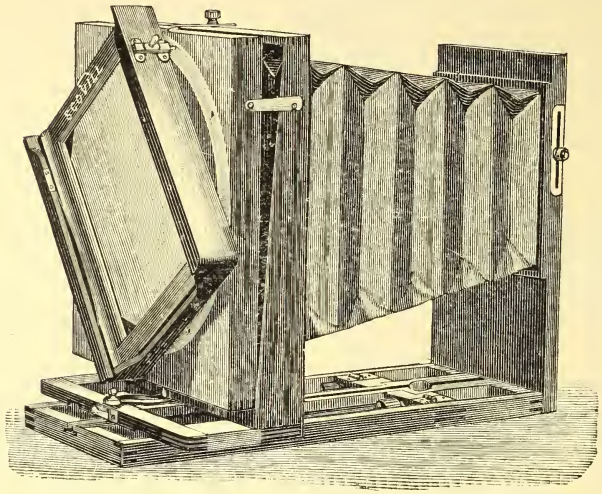
PARTS SEPARATE.

8 x 10 Camera	$21 00
11 x 14 "	50 00
Empire Camera Stand for 8 x 10	15 00
" " " " 11 x 14	15 00
8 x 10 Revolving Adjuster	10 00
11 x 14 " "	12 00
Extra 4¼ x 6½, 5 x 7, or 5 x 8 Holders, each	1 50

AMERICAN OPTICAL CO.'S REVOLVING-BACK CAMERAS.

(PATENTED.)

Each Incased in a Canvas Bag, with Handle.



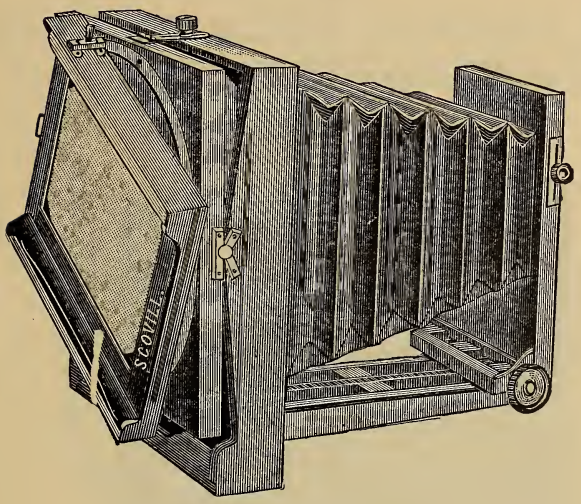
(BACK-FOCUS PATTERN.)

Wherein lies the merit and attractiveness of the Revolving-Back Camera, that photographers want to cast aside cameras now in use and procure one of this new pattern? Briefly stated, it enables the view-taker to secure either an upright or horizontal picture without changing the plate-holder after it has been slid into the carriage. No other camera can with such wondrous ease and celerity be changed from the vertical to the upright, or *vice versa*. The carriage is simply turned about in the circle and automatically fastened. By this latter provision the carriage may be secured at either quarter of the circle. Ordinarily, the slide will be drawn out of the holder to the right; but in certain confined situations, the ability to withdraw the slide to the left enables the photographer to obtain a view which he could not get with the usual provision in a camera. The photographer of experience is well aware of the difficulty, when taking an upright picture with a large camera without the revolving back feature, of reaching up to draw up the slide at the top, and, what is more essential, of getting out the slide without fogging the plate in the holder.

Grace and strength are combined in the Revolving-Back Camera, and its highly desirable features are gained without the sacifice of steadiness or any other essential principle in a good camera.

REVOLVING-BACK CAMERAS.

(PATENTED.)



(Front-Focus Pattern.)

REDUCED PRICE LIST.

Revolving-back Cameras, each incased in a canvas bag, with handle, and above 14 x 17 size, with two handles.

	REVERSIBLE.				Single Swing.	Double Swing.	
No. 120.—	For View	4	x 5	in.	$27 00	$32 00	
" 121.—	"	4¼	x 5½	"	29 00	34 00	
" 122.—	"	4¼	x 6½	"	31 00	36 00	
" 123.—	"	5	x 7	"	33 00	38 00	
" 124.—	"	5	x 8	"	35 00	40 00	With Revolving Back and Reversible Back and Holders for each Back.
" 125.—	"	6½	x 8½	"	40 00	45 00	
" 126.—	"	8	x 10	"	45 00	50 00	
" 127.—	"	10	x 12	"	60 00	65 00	
" 128.—	"	11	x 14	" with detachable revolving-back	65 00	70 00	$90 00
" 129.—	"	14	x 17	" "	75 00	80 00	105 00
" 130.—	"	1-	x 20	" "	85 00	90 00	115 00
" 131.—	"	18	x 22	" "	95 00	100 00	130 00
" 132.—	"	20	x 24	" "	115 00	120 00	150 00

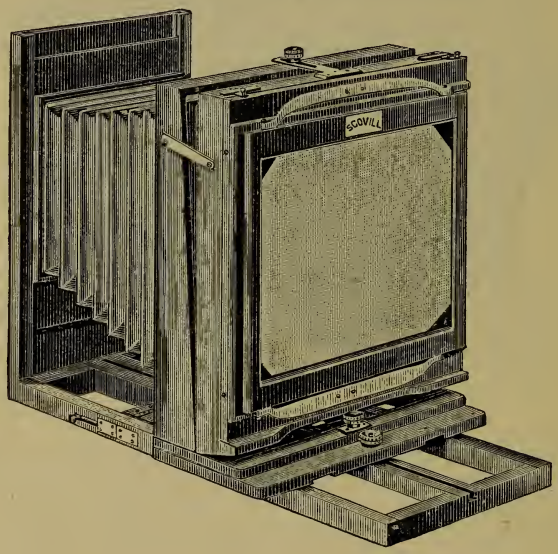
These cameras are fitted with Daisy Dry-plate Holders.

☞ Please state, when ordering any size below 10 x 12, whether front or back focus is desired.

Revolving-back Cameras, front focus, not made above 8 x 10 size.

Canvas cases to contain camera with more than one holder made to order at extra price.

THE AMERICAN OPTICAL CO.'S LANDSCAPE REVERSIBLE CAMERA.



Made of the finest mahogany, with the American Optical Co.'s high grade polish, rubber bellows, rising front, double swing reversible patent spring back. It is the finest Tripod Camera on the market for the price, which includes Camera, a handsome Carrying Case and one Light-Weight Double Dry Plate Holder.

PRICES.

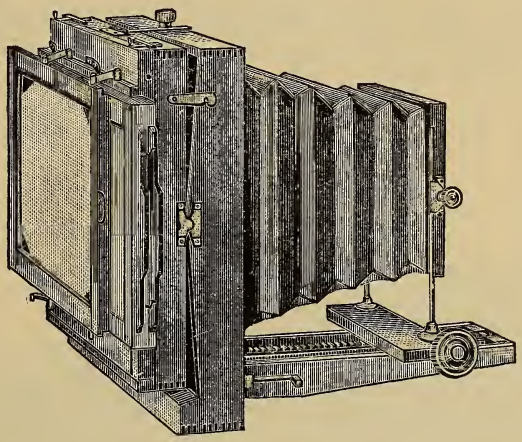
6½ x 8½,	Double Swing Back	$23 00
8 x 10	" " "	25 00

AMERICAN OPTICAL CO.'S STAR VIEW CAMERAS.

(PATENTED.)

The Star Reversible Back Cameras have the patent reversible back, with automatic latch, which allows holder to be inserted without holding back the ground-glass frame, the rack and pinion movement, and the *patent latch* for making the bed rigid instantaneously.

Each camera has one Light-Weight Holder with rubber slides and canvas case.



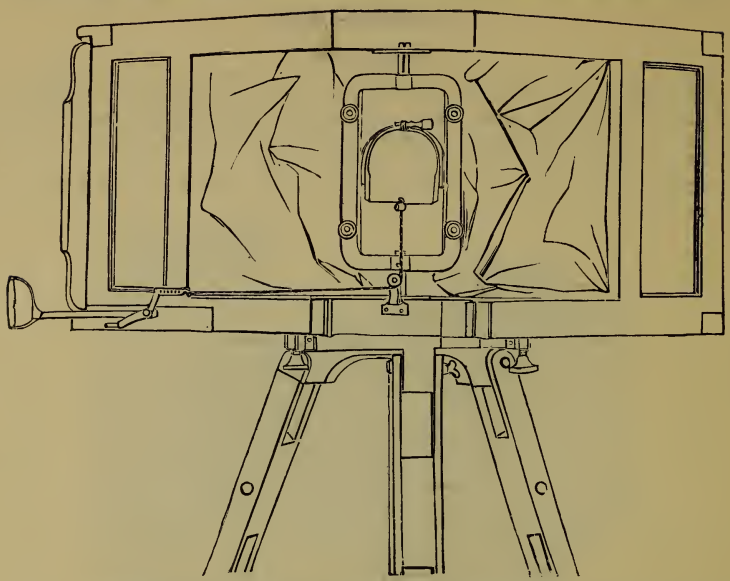
STAR REVERSIBLE BACK CAMERAS.

	For View.	Single Swing-back.	Double Swing-back.
No. 110.—	4 x 5 front focus	$25 00	$29 00
" 111.—	4¼ x 5½ " "	26 00	30 00
" 112.—	4¼ x 6½ " "	30 00	34 00
" 113.—	5 x 7 " "	32 00	35 00
" 114.—	5 x 8 " "	34 00	38 00
" 115.—	6½ x 8½ " "	36 00	40 00
" 116.—	8 x 10 " "	40 00	44 00
" 117.—	11 x 14 " "	60 00	64 00
" 118.—	14 x 17, with Flammang Curtain Slide Single Holder	70 00	75 00
" 118½.—	18 x 22, with Flammang Curtain Slide Single Holder	90 00	95 00
" 120.—	20 x 24, with Flammang Curtain Slide Single Holder	95 00	100 00

Back Focus.

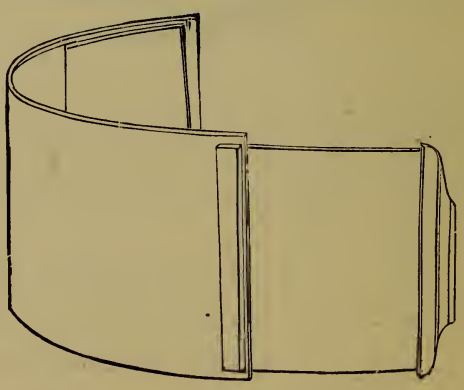
Canvas cases to contain camera with more than one holder made to order at extra price.

THE SCOVILL PANORAMIC CAMERA.



We take pleasure in introducing to the photographic fraternity our new Panoramic Camera, which is made in various dimensions up to the size capable of making photographs 18 x 48 inches.

A new design of constructing these cameras in hemispherical form has been invented ; a new movement of crossing the lens over the segments of the circle, and an automatic release for the shutter has also been constructed. Carbutt's No. 27 films, or his orthochromatic films of the same sensitiveness are used by means of an ingeniously constructed flexible dark slide, which permits of the necessary curve to conform with the back of the camera. The cameras are solidly and serviceably made, elegant in finish, and in every way maintain the world wide reputation of the American Optical Company. The cuts shown herewith give an idea of the external appearance of the camera, and the dark slide for holding the film.



The prices of these Cameras, including in each case a substantial

wooden box or trunk for holding the instrument, a suitable tripod, a panoramic printing frame, two holders, two developing baths, and the celebrated Swift lens, are given below.

Price of the Scovill Panoramic Outfit for making photographs 10 x 30 inches, complete as above..... $250 00
Price of the Scovill Panoramic Outfit for making photographs 16 x 43 inches, complete as above..... 300 00

These Panoramic Cameras are made to order only.

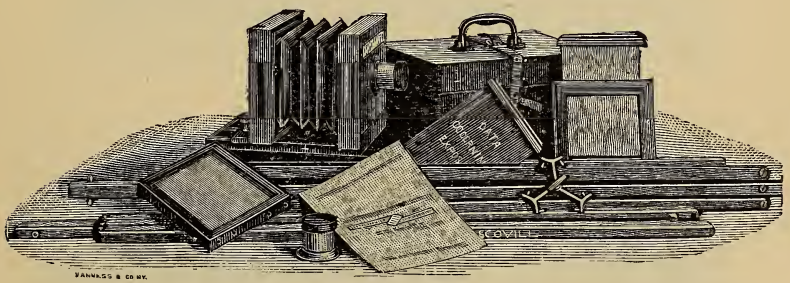
FAVORITE APPARATUS OUTFIT,

ALL ARTICLES OF WHICH ARE WARRANTED IN EVERY RESPECT.

These Outfits are lighter, more compact, far handsomer and more accurate than any which are offered at the same price. Many professional photographers have bought them and use them constantly.

FAVORITE OUTFIT A,

Price $10.00, comprises



A Favorite View Camera to produce 4 x 5 inch pictures, with *vertical shifting front*, *single swing movement*, rubber bellows and folding platform, with *patent latch* for making bed rigid instantaneously.
1 Scovill Double Dry Plate Holder (Reversible), with *rubber slides*.
1 Taylor Improved Folding Tripod.
1 No. A "Waterbury" Achromatic Lens, *with revolving diaphragm*.
1 Carrying Case.

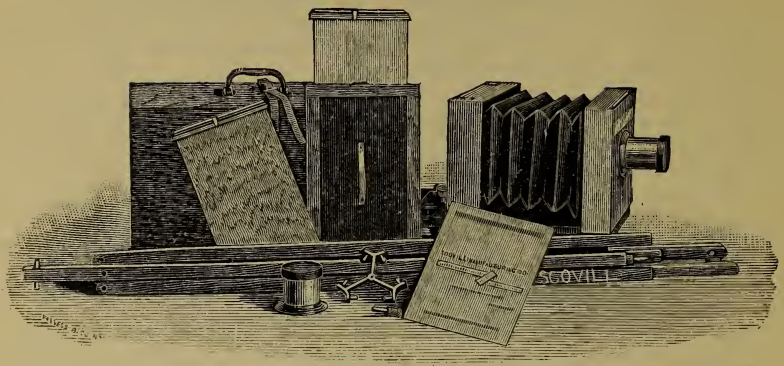
5 x 7 Favorite Outfit..... .....Price, $12 00

FAVORITE OUTFIT B,

Price $12.00, comprises

A Favorite View Camera, to produce pictures 5 x 8 inches, with *vertical shifting front*, *single swing movement*, rubber bellows and folding platform, with *patent latch* for making bed rigid instantaneously; also

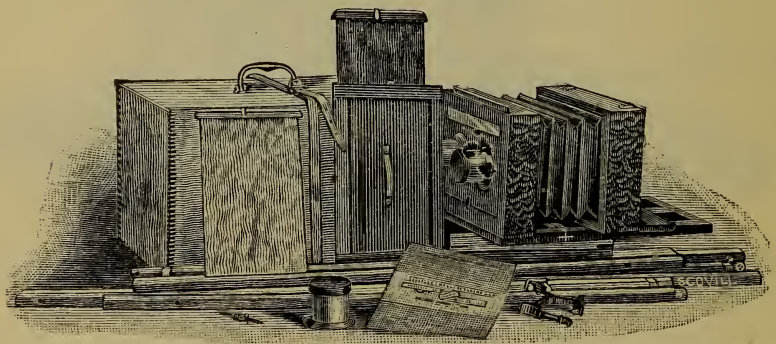
FAVORITE OUTFIT B.—Cont.



1 Scovill Double Dry Plate Holder (Reversible), with *rubber slides, and with kits.*
1 Taylor Improved Folding Tripod.
1 No. B "Waterbury" Achromatic Lens *with revolving diaphragms.*
1 Carrying Case.

FAVORITE OUTFIT C,

Price $18.50, comprises



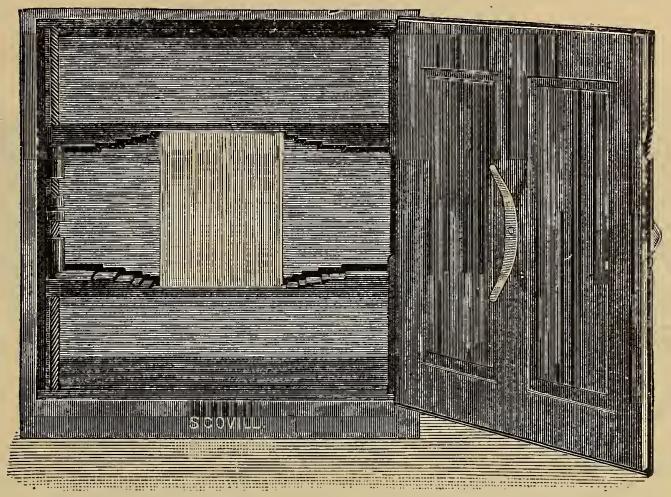
A Favorite View Camera, to produce 5 x 8 inch pictures, with *vertical shifting front, single swing movement,* rubber bellows and folding platform, with *patent latch* for making bed rigid instantaneously.

This camera is constructed so as to make either a *picture* on the full size of the plate (5 x 8 inches), or by substituting the extra front (supplied with the outfit) and using the pair of lenses of shorter focus, it is admirably adapted for taking *stereoscopic* negatives. Included in this outfit are also

1 Scovill Double Dry Plate Holder (Reversible), with *rubber slides, and with kits.*
1 No. B "Waterbury" Achromatic Lens, *with revolving diaphragms.*
1 pair "Waterbury" Achromatic Matched Stereoscopic Lenses.
1 Taylor Improved Folding Tripod. 1 Carrying Case.

THE WATERBURY DRY-PLATE HOLDER

Is the best one for the Studio.



(PATENT APPLIED FOR.)

The Waterbury Holder may be adjusted to various sizes of plates quicker and easier than any other holder. No kits are required, and the plates used must be in the center; in fact, they cannot be out of the center, and may be laid in the proper place in the dark.

The Waterbury Holder requires no latches to secure the plate firmly in place. The mechanism is so simple that it cannot get out of order except by destroying the holder.

The Waterbury Holder adjustments work with entire freedom and yet without vibration or side-play.

The Waterbury Holders are so complete and pleasant to work with that every dark-room operator wants them.

The Bonanza Holder was acknowleged to be the king of wet plate holders; every candid man will admit that the Waterbury Holder is the best dry-plate holder for gallery use.

All American Optical Company's Portrait Cameras will be fitted with the Waterbury Holder, where so ordered, at the regular catalogue prices.

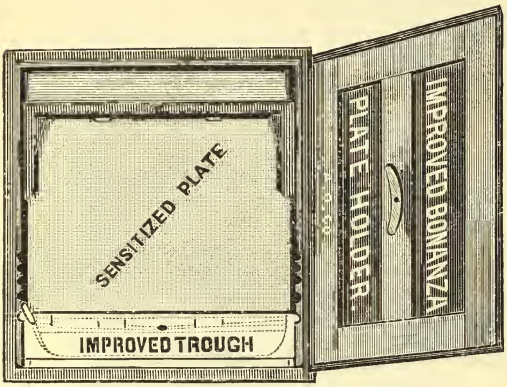
Revised Price List of Waterbury Studio Holders.

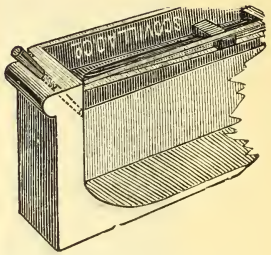
6½ x 8½	$ 9 00	14 x 17	$24 00
8 x 10	10 00	17 x 20	28 00
For Cincinnati Camera	15 00	18 x 22	30 00
10 x 12	16 00	20 x 24	35 00
11 x 14	21 00	25 x 30	44 00

Add 10 per cent. to above list when with Curtain Slide.

THE IMPROVED PATENT BONANZA PLATE HOLDER.

The Photographer's Silver Saver.





Any practical photographer can, by one glance at the illustration, see where the great merit of this holder lies, how perfectly silver solution is saved, and the trough may be fastened in the different grooves, avoiding the necessity of kits.

The Plate Holder has now a world-wide reputation, and, because of its great merits, infringements have been attempted.

Being the sole agents for the manufacture and sale of the "Bonanza Holder," we hereby notify all concerned that such holders made by other parties are infringements of said patent, and we will hold all dealers or others having infringing goods in their possession responsible in damages.

In ordering holders, parties should send their old holder as sample, if possible, to avoid mistakes ; otherwise the exact dimensions of old holder should be given.

Please bear in mind that Bonanza Holders cannot be put on any camera that will not take a silver-saving bottle in the holder.

Price List of Bonanza Holders.

1-4	$4 25
1-2	6 40
4¼ x 6½ and 4¾ x 6½	8 00
5 x 7	8 50
4-4	9 60
8 x 10	10 50
10 x 12	16 00
11 x 14	$21 50
14 x 17	24 00
17 x 20	27 50
18 x 22	31 00
20 x 24	35 75
25 x 30	44 00

Bonanza Holder for Cincinnati Camera with Rabbet Kits	$12 75
" " Multiplying "	12 75
Troughs for Bonanza Holders	1 50

THE IMPROVED PATENT BONANZA PLATE HOLDER.—Cont.

Solid Glass Corner Plate Holders, for Wet Plates.

Outside Holder only.	Price.
For 3¼ x 4¼	$4 40
" 4 x 5	4 80
" 4¼ x 5½ and New York Gem Box	5 00
" 4¼ x 6½	5 50
" 5 x 7 and Victoria Camera	6 25
" 5 x 8	6 50
" 6½ x 8½	7 30

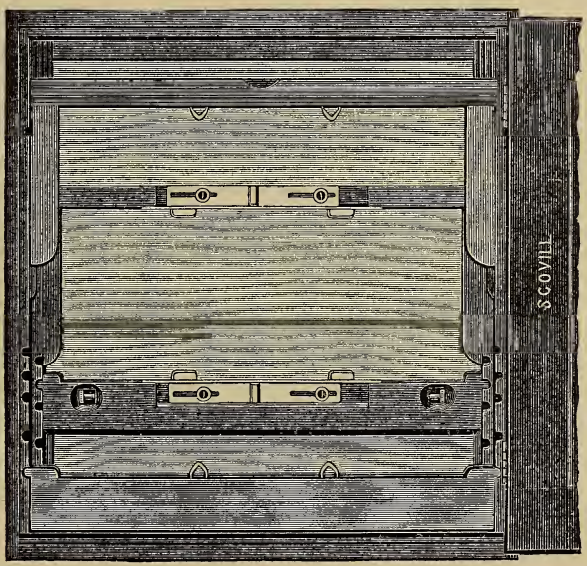
Outside Holder only	Price
For 8 x 10 and Cincinnati Box	$8 50
" 10 x 12	11 00
" 11 x 14	13 40
" 14 x 17	16 80
" 17 x 20	19 50
" 18 x 22	22 00
" 20 x 24	24 00
" 25 x 30	32 00

Kits extra.

5 x 8 Solid Glass Corner Holder for Stereo. Camera.....$6 00

Rabbeted Outside Holders 10 per cent. less than Solid Glass Corner Holders below 10 x 12 size. Larger sizes made to order.

THE SCOVILL-LEVY PHOTO-ENGRAVERS' ADJUSTABLE SCREEN PLATE HOLDER.



(PATENTED.)

This Holder, as is shown in the cut above, is a great improvement over any heretofore manufactured for photo-engraving purposes. Its principal points of superiority are, briefly:

THE SCOVILL-LEVY PHOTO-ENGRAVERS' ADJUSTABLE SCREEN PLATE HOLDER.—Cont.

(First)—The ease with which it is adjusted for different size plates and screens, by a simple sliding movement of the two inside frames to or from the center, and thus dispensing with the expensive and troublesome use of kit frames.

(Second)—The convenience by which the screen plate is accurately adjusted to the sensitized plate by means of the metallic sliding adjusters. (Heretofore it has been necessary to do the adjusting by means of inserting different thicknesses of cardboard, paper, etc.)

(Third)—Different thicknesses in the screen plates are allowed for by means of a spring which always holds the plate in accurate place no matter what its thickness may be.

(Fourth)—A graduated scale on each screen adjuster makes it easy to always insure absolute accuracy in determining the distance of the screen plate from the wet plate.

(Fifth)—The simplicity of construction and excellent workmanship of the entire holder, being made, as it is, in the factory of the famous American Optical Company.

And, altogether, it is an ingeniously designed and beautifully constructed Holder, which will be found of indispensable aid to the practical photographer.

These Holders are thicker than the ordinary plate holders, and if it is desired to use them on a camera the ground glass of which is focused for the ordinary plate holder, a new ground glass frame is necessary in order to adjust the focus. When ordering a holder to fit a camera in use, send the old holder or the old ground glass frame so that the new ones can be made to fit the camera. Also state the size of largest and smallest screen plate to be used in holder.

It is made in various sizes. Prices as follows:

		Frames *only*, for Ground Glass.
8 x 10 size	$18 00	$1 50
10 x 12 "	22 00	1 50
11 x 14 "	28 00	1 88
14 x 17 "	32 00	2 25
17 x 20 "	36 00	2 63
18 x 22 "	40 00	2 63
20 x 24 "	45 00	3 00

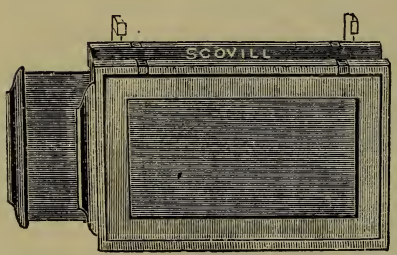
KLAY'S MULTIPLYING PLATE HOLDER. (See page 30.

KLAY'S MULTIPLYING PLATE HOLDER.

In these days of American enterprise and push, a constant demand for "something new" is being felt by photographers in every city, and that demand has now, happily, been supplied by the invention of the Klay Multiplying Plate Holder. It is a unique patented device for producing from 1 to 28 different pictures on a single plate, 4¼ x 6½ inches. For variety, novelty, and convenience, it excels all other devices for producing these small pictures. Any photographer who once sees the Holder and its work wants one immediately. The engraving shown herewith is a proof of the efficiency of the Holder. If desired, a pamphlet showing full-size cabinet half-tones will be sent on application. Will fit any 8 x 10 camera, or larger.

Price of Holder, $15.00

THE DAISY DRY-PLATE HOLDER.



"This Holder is a Daisy." The frequent repetition of this exclamation fixed the name by which this holder is designated. It has the great merit of being lighter and of occupying lesss space than any other substantial holder that has ever been devised. The Daisy Holder opens like a book when the dry plates are being put into or taken out of it, and is so arranged that light cannot penetrate through from one side to the other. There are no projecting screws on this holder. What supplies their place is simple and more effective. The slides have no catches, as they are unnecessary.

When making Dry-Plate Holders of our patented designs to fit cameras not made by us we are obliged to add 25 per cent. to the list price, as such holders must be made singly, not in quantity. Even with the addition to the list, we cannot expect to get more than the cost.

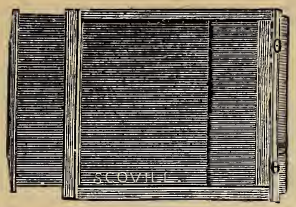
Daisy Double Dry-Plate Holder.

KITS EXTRA.

3¼ x 4¼	$ 1 75		8 x 10		$6 00
4 x 5	2 00		10 x 12		8 00
4¼ x 5½	2 10		11 x 14		10 00
4¼ x 6½	2 25		14 x 17		12 50
5 x 7	2 35		17 x 20		15 50
5 x 8	2 50		18 x 22		18 00
6½ x 8½	4 20		20 x 24		21 50

Albion Holders.

4¼ x 6½	$ 2 25	6½ x 8½	3 25
5 x 7	2 35	8 x 10	4 30
5 x 8	2 50		



SOLOGRAPH HOLDERS.

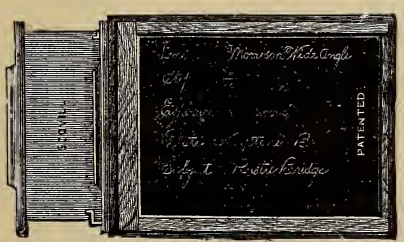
4	x	5	$1 00
5	x	7	1 25
5	x	8	1 35
6½	x	8½	1 50
8	x	10	1 75

LIGHT-WEIGHT DOUBLE HOLDERS.

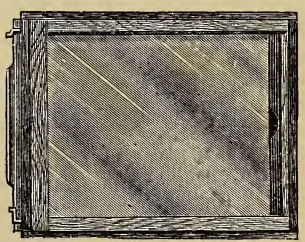
Patented November 15, 1887, and January 24, 1888.

Substantial, serviceable and accurate Double Holders cannot be made smaller or lighter than the Scovill Light-Weight Holders, and though so thin, kits may be used in them. The Light-Weight Holders yield a negative the full width of the plate, and, what is equally important, the plate may be placed in these holders or removed therefrom without touching the sensitive surface, and without danger of breaking it. (Observe the means shown in illustration for locking the slides.) The Light-Weight Holders are made with solid frame so that they will not come apart, leak light, or warp. Every holder has the patent Registering Slides.

If you want to secure accurate focusing, use the "Light-Weight," or any of the other Scovill Plate Holders.



SHOWING PATENT REGISTERING SLIDE.



WITH FRONT SLIDE TAKEN OUT.

Price of Light-Weight Double Holder; also Scovill Double Film Holder.

3¼	x	4¼	$1 10
4	x	5	1 25
4¼	x	5½	1 25
4¼	x	6½	
5	x	7	1 30
5	x	8	1 40
6½	x	8½	1 70
8	x	10	$2 00
10	x	12	3 50
11	x	14	4 50
14	x	17	6 50
17	x	20	9 00
18	x	22	12 00
20	x	24	15 00

Light-Weight Holders can be fitted to any American Optical Co. Camera or Scovill Outfit. Up to 11 x 14 size these Plate Holders can be had with registering or rubber slides at customer's option. Above 11 x 14 with wood or rubber slides only.

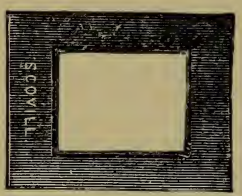
PRICE OF RUBBER SLIDES.

Size for			Each.	Size for			Each.
3¼	x	4¼	$0 18	5	x	8	$0 40
4	x	5	20	6½	x	8½	55
4¼	x	5½	24	8	x	10	75
4¼	x	6½	28	10	x	12	1 00
5	x	7	35	11	x	14	1 30

Registering Slides not made above 11 x 14 size.

RABBET AND LIGHT WEIGHT KIT FRAMES FOR DRY PLATE HOLDERS.

OUTSIDE MEASUREMENT. ANY OPENING.



4	x	5	$0 28
4¼	x	5½	29
4¼	x	6½	30
5	x	7	31
5	x	8	32
6½	x	8½	34
8	x	10	40
10	x	12	60
11	x	14	66
14	x	17	80

When ordering, please specify whether Rabbet Kits are wanted for wet or dry plates on account of difference in thickness.

SOLID GLASS CORNER KITS.

OUTSIDE MEASUREMENT IN INCHES.

3¼	x	4¼	$0 60
4	x	5	64
4¼	x	5½	65
4¼	x	6½	67
5	x	7	68
5	x	8	74
6½	x	8½	84
8	x	10	95
10	x	12	$1 25
11	x	14	1 30
14	x	17	1 80
17	x	20	1 96
18	x	22	2 30
20	x	24	2 45
25	x	30	3 80

FRONT BOARDS.

MADE OF SPANISH MAHOGANY, FINELY POLISHED.

2 x 2 in.			$0 32
3 x 3 in.			40
4 x 4 in.			50
5 x 5 in.			60
6 x 6 in.			75
7 x 7 in.			1 00
8 x 8 in.			$1 25
9 x 9 in.			1 50
10 x 10 in.			1 80
12 x 12 in.			2 00
14 x 14 in.			2 40
15 x 15 in.			2 50

Fractional sizes priced at next higher even size.

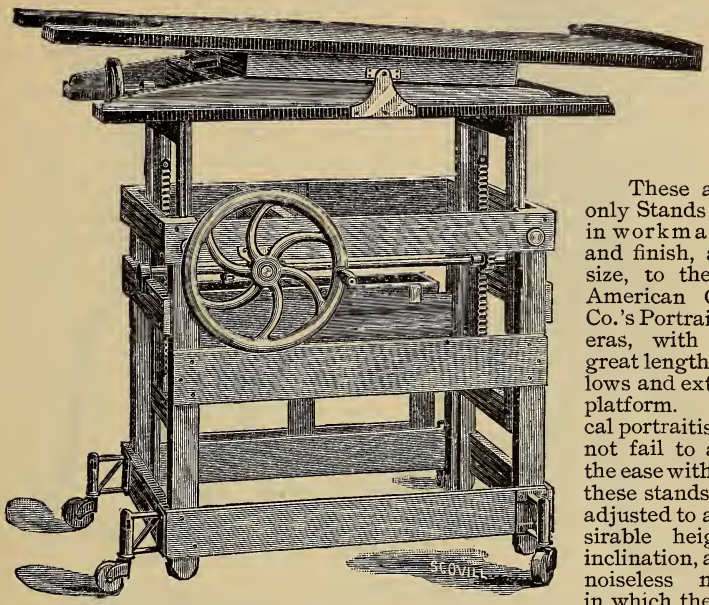
Plain fronts, not polished, one-half above price list.

Horizontal Sliding Fronts, complete with lens board, for '76, or Model Stereoscopic Cameras..... $1 20

Plain Front, complete with lens board, for '76, or Model Stereoscopic Cameras..... 60

ELITE STUDIO STANDS.

PATENTED.



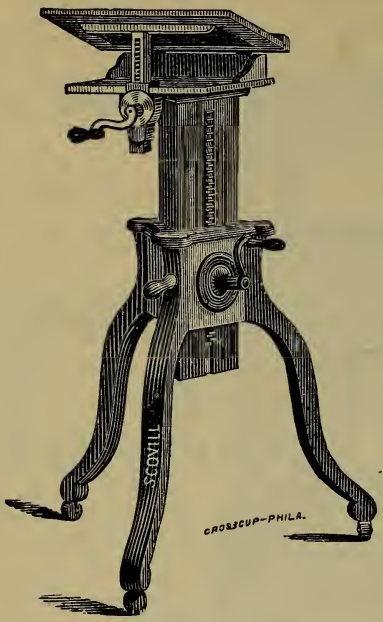
These are the only Stands suited in workmanship and finish, also in size, to the large American Optical Co.'s Portrait Cameras, with their great length of bellows and extension platform. Practical portraitists cannot fail to admire the ease with which these stands can be adjusted to any desirable height or inclination, and the noiseless manner in which they may be moved from place to place, their elegant appearance and accurate construction.

The proper elevation of the "Elite" stand is obtained by turning a wheel with handle, within reach of the operator, so that he may adjust the height or inclination of this camera without taking his head from under the focusing cloth.

By means of the wheel at the rear end of the platform, the horizontal position of the platform may be inclined upward or downward to a limit of 15 degrees. In the No. 2 size the platform is fifty-two inches long and twenty-six inches wide, and its length may be increased to seventy inches by an attachment which slides out forward, making it quite long enough to support a large copying camera. The semi-circular cut-out, at the rear end of the platform, is a convenience to the operator, who is thus enabled to stand closely up to the ground glass, no matter how far the camera may have been pushed forward; bending of the body is obviated, which is a necessity with all the older stands.

"ELITE" STUDIO STANDS.	No. 1 Size.	No. 2 Size.
Highest point from platform to floor	48 inches.	48 inches.
Lowest " " " "	32 "	32 "
Width of platform	22 "	26 "
Length of platform without attachment	45 "	52 "
" " with "		70 "
PRICE, with Rack for Plate Holder	$32 00	$36 00

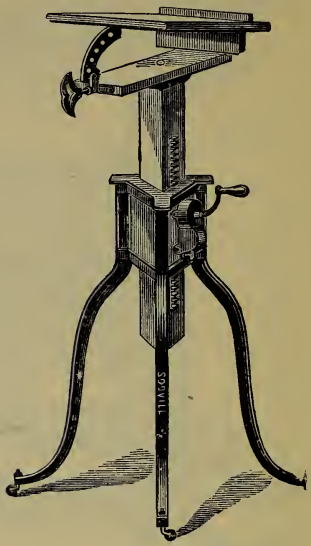
PERFECT CAMERA STAND.



The "Perfect" Camera Stand has been manufactured for many years, and is, as it has been justly called, a "Perfect" Camera Stand. It is made of finely polished black walnut and has best of metal castings. It has superior advantages for studio cameras up to 8 x 10 size.

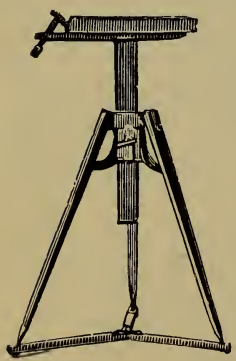
Price, with Plate Holder Pocket.....$16.00

ACME CAMERA STANDS.



No. 1, for 1-2 and 4-4 Cameras.....$ 8 00

No. 2, with Plate Holder Pocket, for 8 x 10 and 10 x 12 Cameras..... 12 00



EXCELSIOR CAMERA STANDS.

(WITH IRON CENTER.)

No. 1, for 1-4 and 1-2 Cameras.....$3 75
" 2, " 4-4 " 4 00
" 3, " 8 x 10 " 4 00

THE SEMI-CENTENNIAL CAMERA STAND.

Patented January 7, and March 11, 1890.

Reasons why you should adopt it:

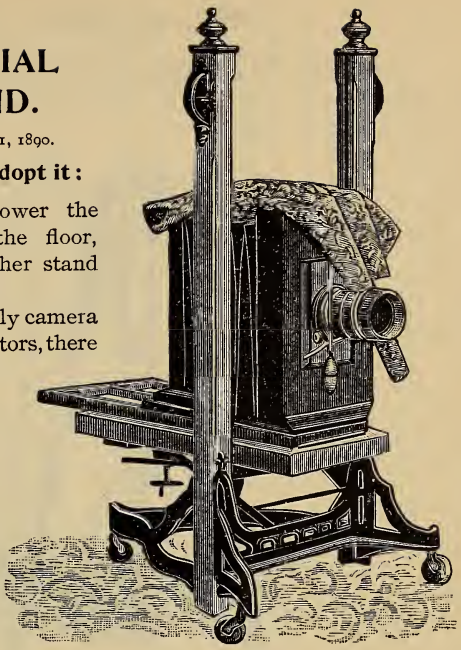
FIRST—Because you can lower the camera within 13 inches of the floor, this being lower than any other stand will admit of.

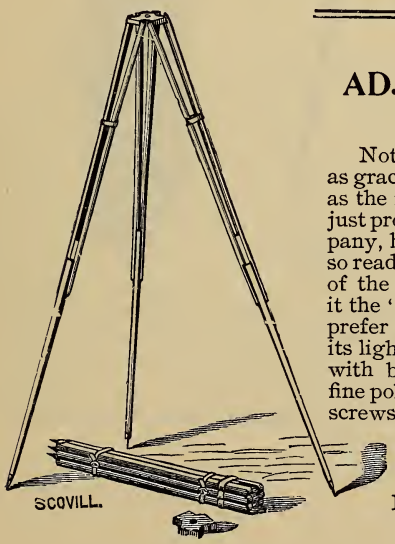
SECOND—Because it is the only camera stand using rubber wheels as castors, therefore it is perfectly noiseless.

THIRD—By the use of its coiled springs and a key you can make it counterbalance any weight of camera from 8x10 to 11x14 inclusive.

Weight of Stand, packed ready for shipment, 95 lbs.

Price, boxed.....$25.00





THE SCOVILL ADJUSTABLE TRIPODS.

(FEATHER WEIGHT.)

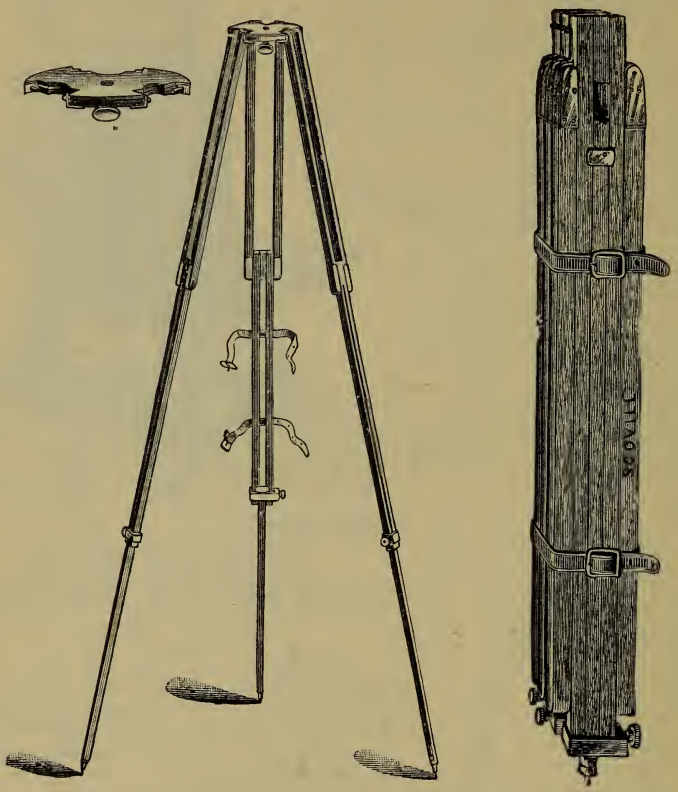
Nothing more compact, certainly nothing as graceful in appearance and light in weight as the new tripod for out-door photography, just produced by the American Optical Company, has yet made its appearance. Because so readily adjusted to the utmost irregularity of the earth's surface, it was decided to call it the "Adjustable Tripod." Lady amateurs prefer it to any other pattern on account of its lightness and beauty. The top is covered with billiard-cloth to prevent marring the fine polish on our cameras, and the clamping-screws are not detachable.

Scovill Adjustable Tripod.

No. 1.....Price, each $3 50
" 2..... " " 5 00

THE ALBION TRIPODS.

This is the most elegant tripod ever introduced. It is adapted to and is firm enough to support without vibration any view camera from 5 x 7 to 10 x 12 size inclusive.

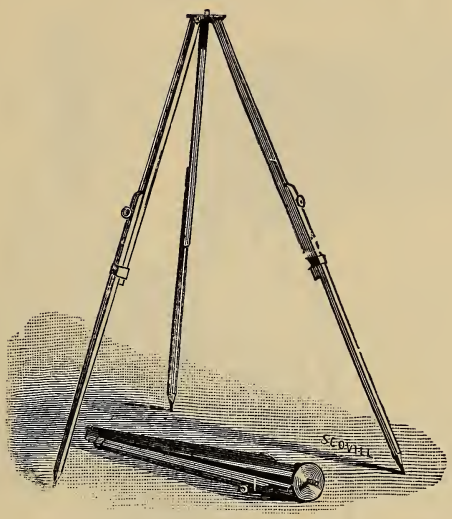


The legs of this tripod are adjustable as to length, and may be quickly folded. As the binding straps are attached, they are always in place when wanted.

The artistic design and faultless finish of every portion of this tripod cannot be realized without seeing one, and to use an ALBION TRIPOD means to be fully satisfied, and wish for none other.

No. 1.—Cherry-Wood $4 50
" 2.— " " 6 00
" 3.—Spruce (very light)..... 6 00

THE SCOVILL EXTENSION TRIPODS.

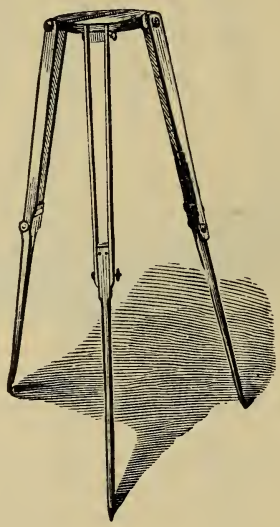


This tripod possesses special advantages. It can be set up, ready for use, quicker than any other, and with less trouble. By turning the brass buttons shown in the accompanying illustration, the legs may "in a twinkling" be extended to the desired length and fastened. When this tripod is placed on uneven ground, the camera it supports may be brought to the proper level by simply adjusting the length of the tripod legs. Another commendable feature of the Scovill Extension Tripod is, that it has no detachable parts to be misplaced or lost. Combining as it does firmness, strength, and lightness, this tripod must at once find favor with the professional view taker, who very often wastes valuable time, or loses opportune moments in placing the tripod legs and changing their position to include just what is wanted in a picture, and to level the camera.

No. 1, for 1-4 and 4 x 5 Cameras	.....	each,	$3 00
" 2, for 5 x 8	.....	"	3 25
" 2½, for 5 x 8, with Brass Circle	.....	"	3 50
" 3, for 6½ x 8½	.....	"	5 00

PEERLESS FOLDING TRIPODS FOR FIELD PHOTOGRAPHY.

Manufactured from selected second growth ash, with brass mountings and folding legs, which make them very light and portable ; yet they are perfectly firm and rigid when extended for use. No better tripods have ever been devised for the professional view photographer.

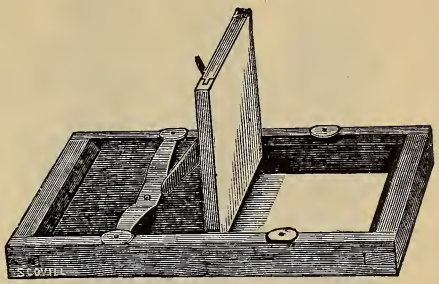


		Wood Top.			
No. 1.—Peerless	double-jointed legs.....	6 inch	wooden top.....	$2	85
" 2. "	" "	12 "	"	4	75
" 3. "	hinged.....	12 "	"	5	70
" 4. "	"	11 "	metal top.....	9	50
" 5. "	six foot, rigid	12 "	wooden top.....	6	00
" 6. "	" "	15 "	"	8	00

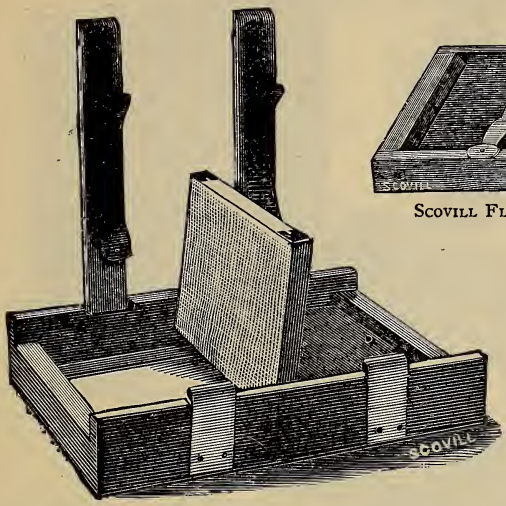
The above tripods are so constructed that they can be easily taken apart for packing, and yet can, when in use, be made as stiff and solid as though carved from a solid block.

SCOVILL PRINTING FRAMES.

MANUFACTURED OF CHERRY, WITH BRASS SPRINGS, PANELED BACKS AND TALLY.



SCOVILL FLAT PRINTING FRAME (OPEN).



SCOVILL DEEP PRINTING FRAME (OPEN).

Our Printing Frames are constructed so that a uniform pressure is obtained, thus insuring perfect contact between the positive paper and negative plate. The backboards are so arranged that the progress of the printing may be watched without danger of shifting the paper.

For Plates.	Flat.	Deep.
3¼ x 4¼	$0 36	$0 75
4 x 5	38	75
4¼ x 5½	40	75
4¼ x 6½	42	85
5 x 7	50	85
5 x 8	52	1 00
6½ x 8½	60	1 20
8 x 10	75	1 40
10 x 12	1 00	1 60
11 x 14	1 80	2 40

For Plates.	Flat.	Deep.
13 x 16	$2 00	$2 70
14 x 17	2 40	3 00
16 x 20	3 00	4 20
17 x 20	3 00	4 50
18 x 22	4 00	5 00
20 x 24	5 00	5 25
24 x 30		9 00
35 x 45		16 00
30 x 60*		22 00

*Larger or special sizes made to order at short notice, according to specification.

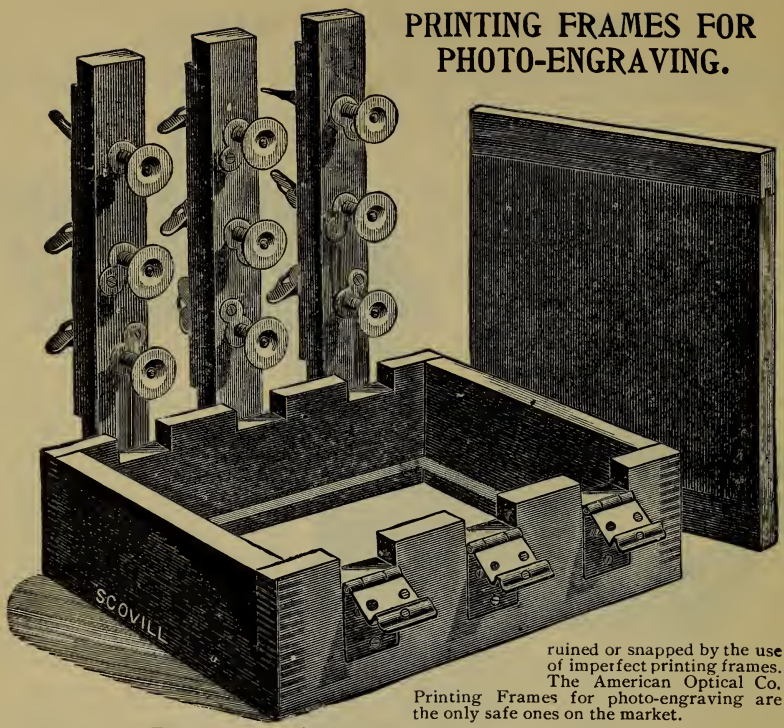
When made with backs to open lengthways, ten per cent. is added to the foregoing prices for the respective sizes.

COPY BOARDS.

Furnished clamped or with dovetailed battens. Made of selected pine lumber, seasoned and thoroughly dried.

16 x 20 inches	each, $0 90	22 x 31 inches	each, $2 00
18 x 22 "	" 1 00	25 x 34 "	" 3 00
20 x 15 "	" 1 20	27 x 41 "	" 4 50

PRINTING FRAMES FOR PHOTO-ENGRAVING.

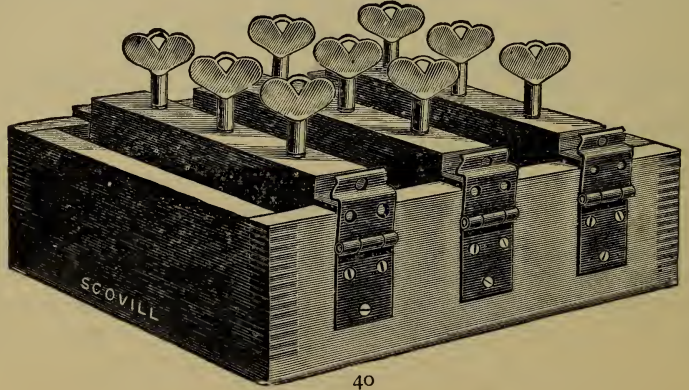


The Printing Frames made by the American Optical Co. for photo-engraving are like everything else manufactured by this factory, of the highest degree of perfection, and the utmost care was given to the comparative distance of screws so as to produce an even pressure. Many negatives have been either ruined or snapped by the use of imperfect printing frames. The American Optical Co. Printing Frames for photo-engraving are the only safe ones on the market.

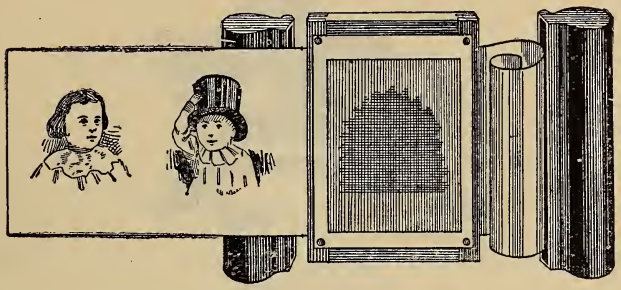
PRICES.

8 x 10,	including	one-inch	glass	.....$8 00
10 x 12,	"	"	"	....12 00
9 x 11,	"	"	"	..... 9 50
11 x 14,	"	"	"	.....13 00
14 x 17,	"	"	"	.....19 00

Larger and special sizes made to order.



LEIGH'S COMBINATION PHOTOGRAPH PRINTING FRAME.



To quote the words of Mr. W. H. Leigh, the inventor, we would say that "the important point we claim for this frame is the doing away with joint lines, and equalizing the space between subjects for combination photographs, *without cutting down negatives*, thus often ruining them for future orders for single cabinets, etc.

Prints from ten inches to ten feet in length can be made from as many negatives as desired. The prints can be made side by side, or one above the other. Nothing makes better display work, nor attracts the public eye more than the *Combination Photograph.*

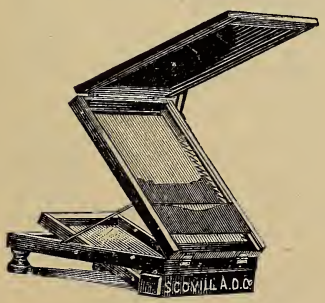
We furnish two styles of frames, one to open in the regular way, taking paper the narrow way of the frame, and the other with lengthwise opening, taking the paper as shown in the illustration.

PRICES FOR EITHER STYLE COMPLETE.

5 x 7	$2 50 each	6½ x 8½	$3 00 each
5 x 8	2 50 "	8 x 10	3 50 "

For sale by dealers.

RETOUCHING FRAMES.

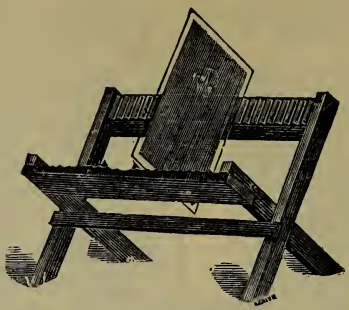


No. 1, for 1-4 to 8 x 10 negatives, black walnut.....$3 75

No. 2, for 1-4 to 11 x 14 negatives, black walnut..... 7 50

They have a drawer and all the modern improvements.

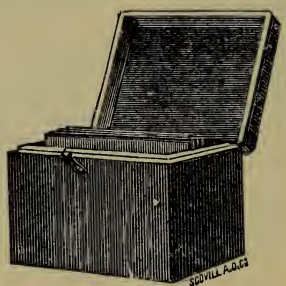
NEGATIVE RACK.



With either Wood or Zinc Corrugation.....Price, $0 25

NEGATIVE BOXES.

MANUFACTURED FROM WHITEWOOD, WITH HINGED COVER.
A VERY SUPERIOR ARTICLE.



FOR HOLDING 24 PLATES.

		Regular with Hook.	Light Tight with Lock and Key.
1-9	each....	$0 60	$1 60
1-6	"	60	1 60
3¼ x 4¼	"	62	1 62
4 x 5	"	65	1 65
4¼ x 5½	"	70	1 70
4¼ x 6½	"	75	1 75
4 x 7	"	75	1 75
4 x 8	each....	$0 75	$1 75
5 x 7	"	85	1 85
5 x 8	"	90	1 90
6½ x 8½	"	1 00	2 00
8 x 10	"	1 10	2 10
10 x 12	"	1 50	2 50

FOR HOLDING 12 PLATES.

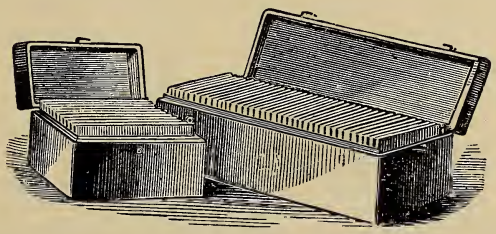
		Regular with Hook.	Light Tight with Lock and Key.
11 x 14	each.....	$2 50	$3 50
13 x 16	"	2 75	3 75
14 x 17	"	3 00	4 00
16 x 20	"	3 50	4 50
17 x 21	each.....	$4 50	$5 50
18 x 22	"	5 00	6 00
20 x 24	"	5 50	6 50

Special sizes made to order to hold any number of plates required,

INDIA RUBBER BELLOWS.

	Outfits.	Plain Portraits.	Cone View.
3¼ x 4¼, 4 x 5, 4¼ x 5½	$1 50	$3 00	$4 50
4¼ x 6½, 5 x 7, 5 x 8	1 50	3 00	6 00
6½ x 8½,	2 00	4 00	6 00
8 x 10	3 00	5 00	7 50
10 x 12	....	6 00	9 00
11 x 14	....	8 00	10 00
14 x 17	....	10 00	12 00
17 x 20	....	12 00	15 00
18 x 22	....	13 00	16 00
20 x 24	....	16 00	20 00

LANTERN SLIDE BOXES.



No. 1, to hold 25 Lantern Slides $0 65
" 2, " 50 " " 1 40
" 3, " 100 " " 2 50

SERIES III.

GOERZ'S DOUBLE ANASTIGMATIC F:7.7.

UNIVERSAL EXTRA-RAPID LENS.

For portraits, groups, instantaneous photography, landscapes, architecture, interiors, and enlargements.

The lenses of this series are *universal* instruments in the full sense of the word. At full aperture, they admit of instantaneous photographs embracing an angle of 70° being taken, even on dull days. By the use of small stops the photograph may be made to include an angle of 90°. The Double Anastigmats of Series III. satisfy, therefore, the highest require- and are eminently adapted for allround purposes, in and out of doors.

As the image is perfectly sharp, even with large apertures, the definition, brilliancy, and depth of every point of the field is absolutely uniform. Hence perfectly sharp wide-angle instantaneous photographs may be taken.

The *back lens*, the focus of which is about the double of that of the entire objective, may, by itself, be used as a landscape lens.

No.	Equivalent Focus, in.	Free Aperture, in.	Size of Plate Sharply Covered at			Code Word	Price with Iris Diaphragm.
			F:7.7 in.	F 15.5 in.	F:62 in.		
0000	1 5/8	1/4	1 5/8 x 1 5/8	2x2	2x2 3/4	Capo	$34 00
000	2 3/8	3/8	2 3/8 x 2 3/8	2 1/2 x 3	2 3/4 x 3 1/2	Cardiff	34 00
00	3 1/2	1/2	3x3	3 1/4 x 4 1/4	4x5	Cadiz	35 50
0	4 3/4	5/8	3 1/4 x 4 1/4	4x5	4 3/4 x 6 1/2	Caesar	37 50
1	6	7/8	4x5	4 3/4 x 6 1/2	5x8	Calderon	45 00
2	7	1	4 3/4 x 6 1/2	5x8	7x9	Calla	51 50
3	8 1/4	1 1/4	5x8	6 1/2 x 8 1/2	8x10	Calvin	62 50
4	9 1/2	1 5/16	6 1/3 x 8 1/2	7x9	10x12	Camerun	75 50
5	10 3/4	1 1/2	7x9	8x10	12x15	Camillus	91 00
6	12	1 5/8	8x10	10x12	16x18	Canada	107 00
7	14	2	10x12	12x15	18x22	Capet	140 00
7a	16 1/2	2 3/8	11x14	13x17	21x25	Caviar	182 00
8	19	2 5/8	12x15	16x18	22x25	Carlos	219 00
9	24	3 5/16	16x18	18x22	24x30	Census	325 00
10	30	4 1/4	18x22	22x25	28x36	City	539 00
11	35	5	22x25	24x30	34x44	Columbia	1070 00

Nos. 00 to 5 are particularly adapted for hand and field cameras. The higher numbers will be found of great service for large portraits and group photography and similar work.

The size of plate indicated sub F : 7.7 represents the area which is *sharply covered up to the edge*. It is, however, advisable to select a higher number than that actually required in all cases where the lens is largely used at full aperture and where, at the same time, it is important that the entire plate should be uniformly illuminated when the camera front is moved out of its central position.

I am prepared to supply lenses mounted for adaptation to detective cameras if ordered in sufficiently large numbers.

For stereoscopic views the lenses are "paired" at an extra charge of $2.50.

SERIES IV.

GOERZ'S DOUBLE ANASTIGMAT F: 11.

RAPID COPYING LENS,

for full size reproductions, enlargements, large groups, landscapes, instantaneous photography, and interiors.

Series IV. of the Double Anastigmatic Lenses has been specially computed for *copying* in full size. It is, for this purpose, made to cover a plate of a diameter which is double the focal length of the lens without any distortion and without astigmatic aberrations and with perfectly uniform sharpness up to the extreme edge.

This excellent lens may also be used for photographing distant objects; for, in this case, the curvature of the image is barely appreciable and is counterbalanced by the *depth* of the focus and the sharpness of the image, which is free from astigmatic aberrations. The sharp image subtends an angle of 75° with the largest stop, hence *instantaneous wide angle photographs, groups, landscapes and architectures* may be taken with these lenses. By means of small stops the image may be made to embrace an angle of 90°.

No.	Equivalent Focus. in.	Free Aperture. in.	Normal Size of Plate for Copying at F: 15.5 to F::22. in.		Size of Plate Covered at F 15.5 For Groups. in.	Size of Plate Covered at With Smaller Stops for Landscapes, Interiors, etc. in.	Code Word.	Price, with Waterhouse Stops.
6	12	$1\frac{1}{16}$	16 x 18	10 x 12	10 x 12	16 x 18	Damara	$110 00
7	14	$1\frac{5}{16}$	18 x 22	12 x 15	12 x 15	18 x 22	Darius	141 50
8	19	$1\frac{3}{4}$	22 x 25	12 x 18	16 x 18	22 x 25	Dekan	230 00
9	24	$2\frac{1}{8}$	24 x 30	18 x 22	18 x 22	24 x 30	Dictator	345 00
10	30	$2\frac{3}{4}$	28 x 36	22 x 25	22 x 25	28 x 36	Dolomit	565 00
11	35	$3\frac{1}{4}$	34 x 44	24 x 30	24 x 30	34 x 44	Doria	1,096 00
12	47	$4\frac{5}{16}$	40 x 60	28 x 36	28 x 36	40 x 60	Drusus	1,980 00

STEINHEIL LENSES.

ORTHOSTIGMATIC LENSES.

The *Orthostigmatic Lenses* described in the following pages represent the most recent and perfect type of photographic lenses made by us. Owing to their symmetrical construction they resemble the Aplanatic lenses, but they differ so widely from the latter as regards their mathematical formula, composition, and optical properties, that we have treated them as a group distinct from the Antiplanatic and Aplanatic Lenses, and we propose to describe them as *Orthostigmatic Lenses*.

These new lenses possess the following two principal features: Though very rapid, they nevertheless cover sharply at full aperture plate areas which hitherto could not be covered by lenses of similar rapidity, even if stopped down. On the other hand, the Orthostigmatic lenses possess, with small stops, a covering power which formerly could only be realized by slow Wide-angle Aplanatic Lenses.

By reasons of these properties, coupled with great rapidity and perfect definition, these Orthostigmatic Lenses constitute veritable "Universal Lenses," and as such are available for all the purposes of photography indoors and out-doors, thereby dispensing with the necessity of employing several lenses.

The following may be enumerated as the principal uses of the Orthostigmatic Lenses:

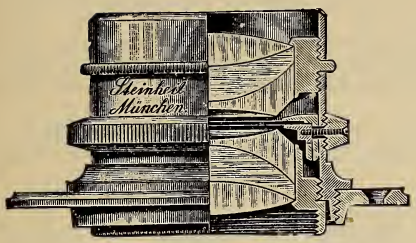
1. Their great rapidity renders them equally well adapted for portraits and groups in the studio and for shortest instantaneous exposures out-doors, even in dull weather.

2. Owing to their wide angular subtense, these lenses may be used for all manner of landscape, architectural, and interior photography.

3. Their superior definition and flatness of field, as the result of comprehensive optical correction, renders the Orthostigmatic Lenses, when suitably stopped down, well adapted for enlargements as well as copying.

   The Orthostigmatic Lenses have a double advantage over the Wide-angle Aplanats hitherto used for copying, inasmuch as, by their increased rapidity, the exposure becomes considerably shortened, and also as owing to their wider angular subtense lenses of much shorter focus can be used, which, beside being proportionately cheaper, require a shorter camera extension and work at closer ranges.

ORTHOSTIGMATIC LENSES, F : 6.8.



Angle 85°.

This lens is a universal lens and is adapted for nearly all existing purposes. It can therefore be used for shortest instantaneous photographs, portraits, groups, landscapes, and interiors, and also for copying.

It is composed of two similar halves consisting each of three lenses, the intermediate one of which is positive.

No.	Aperture. Inches.	Focal Length. Inches.	Size of Plate Sharply Covered, in Inches. At Full Aperture. F . 6.8.*	With Intermediate Stop. F : 14—F : 20.	With Small Stops. F : 40—F : 56.	Price.
1	$\frac{9}{16}$	3½	3¼ x 3¼	4½ x 5¼	4¾ x 3½	$ 34 00
2	$\frac{5}{8}$	4⅛	4¼ x 3¼	4¾ x 3½	6 x 4	37 00
3	¾	4¾	4¾ x 3½	5 x 4	7½ x 5	38 00
4	⅞	$5\frac{15}{16}$	6 x 4	7½ x 5	8½ x 6½	46 00
5	$1\frac{1}{16}$	7⅛	6½ x 4¾	8 x 6	9½ x 7	56 00
6	1¼	8¼	7½ x 5	8½ x 6½	11 x 8¼	65 00
7	$1\frac{7}{16}$	9½	8 x 6	9½ x 7	12 x 9½	80 00
8	1⅝	11	8½ x 6½	11 x 8¼	14 x 11	99 00
9	2⅛	14¼	9½ x 7	12 x 9½	16 x 16	152 00
10	2⅞	19	12 x 9½	16 x 12	24 x 20	228 00
11	$3\frac{9}{16}$	23½	16 x 12	20 x 16	28 x 24	342 00

The plate sizes indicated in the above table are covered absolutely sharp up to the edge. Nevertheless it is generally advisable to choose the next larger lens than the one actually required, especially if provisions are to be made for the use of a sliding camera front.

Special quotations will be made for intermediate sizes.

Of the lenses specified in the table Nos. 1 to 4 are pre-eminently adapted for stereoscopic views. Nos. 1 to 6 form excellent hand-camera lenses.

We supply pairs of these lenses of identical focus for stereoscopic views, also lenses fitted with sliding stops or in aluminum mounts. But in these cases we cannot offer the option of a return.

* With Nos. 8 to 11: f:7 to f:8.

ORTHOSTIGMATIC LENS F:10.

RAPID WIDE ANGLE LENS.

These Lenses, constructed somewhat differently from the Series F/6$\frac{8}{10}$, have a little less illumination, but possess more correction for Spherical, Chromatic, and Astigmatic Aberrations.

Especially adapted for photo-mechanical work, and, compared with Series VI. (*Wide Angle Aplanat*), gives an equally large plate with a much shorter focus, the increased illumination reducing also the exposure to a marked degree.

These Lenses, although especially designed for Reproduction, are equally well adapted for Instantaneous Views, Groups, Portraits, Architecture, and Landscapes.

No.	Aperture. Inches.	Focal Length. Inches.	SIZE OF PLATE SHARPLY COVERED, IN INCHES			PRICE.
			Copying in Full Size. F:20—F:40.	Groups at Full Aperture. F:10.	Landscapes, with Small Stops. F:56—F:80	
7	1⅜	11¾	20 x 16	10½ x 8½	16 x 12	$107.00
8	1¾	15¾	24 x 20	13½ x 10½	20 x 16	152.00
9	2¼	19¾	28 x 24	16 x 12	24 x 20	228.00
10	2¾	23½	32 x 28	18 x 14	28 x 24	304.00
11	3½	29½	36 x 32	20 x 16	32 x 28	456.00
12	4⅛	35½	40 x 36	24 x 20	36 x 32	684.00

The smaller sizes of this series made to order.

Prisms to fit the lenses of this series can be had at the following prices:

To fit No. 7.	No. 8.	No. 9.	No. 10.	No. 11.	No. 12.
$120.00	$160.00	$200.00	$240.00	$300.00	$360.00

ANTIPLANETIC AND APLANATIC LENSES.

In the following pages will be found the old reliable lenses which many of our customers will continue to use on account of the excellent results obtained in the past.

The prices have been materially reduced, which should make them still more popular.

These Lenses are divided into six *Series*, presented in the order of their respective rapidities. Each Series begins with No. 1 for the smallest size and continues upwards. To avoid errors it is therefore necessary, in ordering, to quote both the No. of the Series and No. of the Lens in the present Catalogue.

All our lenses are rectilinear, and are strictly corrected for spherical errors and chemical focus.

They are free from disturbing reflections, and strongly illuminated objects can be taken with them without producing flare or light spots. They are, moreover, constructed so as to give the greatest possible equality of definition over the whole picture.

In focusing with these lenses always use largest stop and focus on object of chief interest. Then without changing focus insert proper diaphragm to secure depth in foreground and background.

The scientific basis of our establishment and the precise methods employed, both in the manufacture of our astronomical and photographic apparatus, enable us to produce lenses of such uniform accuracy that the means of most rigorous testing at our command fail to reveal any differences in the instruments we send out.

We make it a special point never to supply a lens which is capable of improvement at our hands.

According to the principle involved in their construction our lenses are divided into two classes, viz. : *Antiplanetic* and *Aplanatic*.

ANTIPLANETIC LENSES.

Patented in the United States and Europe,

Briefly stated, these lenses, which are the result of a series of calculations extending through several years, are composed of two non-symmetrical combinations, each of as great but opposite faults as possible, which correct each other. One combination has a shorter focus than the objective as a whole, and the other has a negative focus. The combinations are placed closely together.

By the peculiar construction, as described above, differing widely from the usual forms, it has been possible to correct, to a considerable extent, the hitherto greatest defect in photographic objectives, viz. : "Astigmatism" and the consequent rapid decrease of definition from the center to the margin of the picture.

The result is greater sharpness and depth distributed more equally over a larger and strictly even picture before any decrease in definition is preceptible.

Illumination too is more evenly distributed, in consequence of the lenses being proportionately nearer together.

These properties allow the lenses to be worked with full aperture, or large stops, and give them great rapidity of action.

The perfectly correct delineation produced by the Antiplanets renders them particularly suitable for enlargements as well as for dissolving view apparatus.

If small and sharp originals are taken and subsequently enlarged, depths are obtained which would be unattainable in larger pictures taken *direct* with same amount of light. For this purpose, which will probably play an important part in photography, the Antiplanets are specially suitable. In making enlargements the front lens of the Antiplanet should always be turned towards the enlarged picture and the back lens towards the object to be enlarged.

This construction is designed for strictly even and correctly delineated pictures and all tilting of the camera should be decidedly avoided and a movable lens board used instead.

The Antiplanets are made in two Series: the Portrait Antiplanets (Series I.) and the Group Antiplanets (Series II.), the latter being, however, also excellent dry-plate portrait lenses.

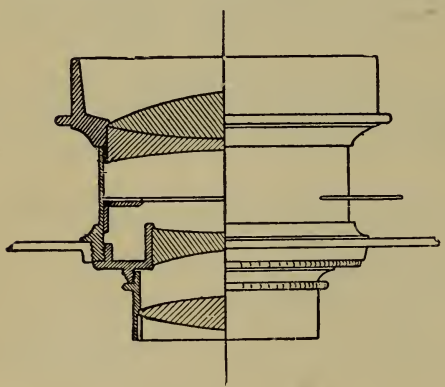
APLANATIC LENSES.

These lenses consist of the original and now well known symmetrical and rectilinear combinations, invented by Steinheil in 1868, but not patented. They are made in four Series (III. to VI. in this catalogue), each of which is specially designed for a certain class of work. Their capabilities and object are fully explained in the following pages.

The lenses of Series V., also of Series III,, No. 1, Series IV., Nos. 1 and 2, have rotary diaphragms.

All the other lenses are furnished with Waterhouse diaphragms in morocco case.

SERIES I. PATENT ANTIPLANETIC PORTRAIT LENS.



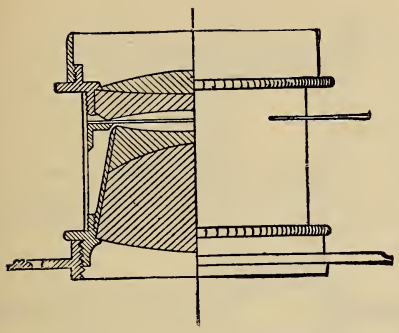
The rapidity is the same as in the usual Portrait Objectives, but there is more equality in the distribution of sharpness and illumination over the picture and greater depth. Contrary to the ordinary Portrait Objectives they produce perfectly correct delineation.

Designed for *Portraits*, *Enlargements*, and *Dissolving View Apparatus*.

No	Aperture. Inches.	Focal Length. Inches.	Plate.	Price.
1	$\frac{5}{8}$	2	Locket Size.	$20 00
1*a*	$1\frac{9}{16}$	$4\frac{11}{16}$	$\frac{1}{9}$ Plate,	40 00
1*b*	$2\frac{5}{16}$	$7\frac{1}{16}$	$\frac{1}{6}$ Plate.	60 00
2	3	$9\frac{1}{2}$	Carte de V.	88 00
3	$3\frac{5}{8}$	$12\frac{5}{8}$	Cabinet.	160 00
4	$5\frac{1}{4}$	$23\frac{5}{8}$	Boudoir, up ½ life size.	320 00

Special quotations for larger sizes.

SERIES II. PATENT ANTIPLANETIC GROUP LENS.



New in principle and construction, consisting of two non-symmetrical cemented pairs, placed closely together. It is rectilinear and is remarkable for its powerful and even illumination and sharpness. In rapidity it is only excelled by the regular and expensive portrait combinations.

Recent improvements in the mounting of the lenses of this Series make them still more compact than formerly and allow the front hood of lens to screw off uncovering a screw thread which can be very conveniently used for adjusting lens to detective cameras, shutters, prisms or other appliances.

Designed for *Portraits*, *Groups*, *Architecture*, *Landscape*, *Instantaneous Work*, and *Enlargements*.

Unexcelled for *Flashlight Portraits and Groups*.

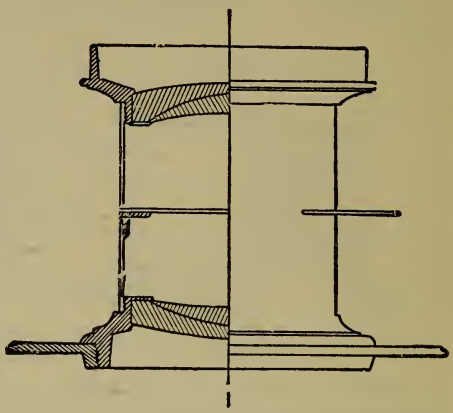
No.	Aperture. Inches.	Focal Length. Inches.	Size of Portrait or Group. Inches.	Size of View or Landscape. Inches.	Price.
0	3/8	1 7/8	1 5/8 x 1 5/8	2 x 2	$16 00
1	11/16	3 3/4	3 1/4 x 3 1/4	4 1/4 x 3 1/4	18 00
* 1*b*	13/16	4 7/8	4 1/4 x 3 1/4	4 1/2 x 3 3/4	22 00
2	1	5 5/8	4 1/2 x 3 3/4	5 x 4	24 00
* 2*b*	1 3/16	6 1/2	5 x 4	5 1/2 x 4 3/4	28 00
3	1 5/16	7 1/4	5 1/2 x 4 1/4	7 x 5	32 00
4	1 11/16	9 1/2	7 x 5	8 1/2 x 6 1/2	42 00
5	1 7/8	10 7/8	8 1/2 x 6 1/2	10 x 8	52 00
6	2 1/2	14 1/8	10 x 8	12 x 10	84 00
7	3 1/16	17 3/4	12 x 10	15 x 12	128 00

* *Special Detective Camera Lenses:* No. 1*b* for plates, 4¼ x 3¼ ; No. 2*b* for plates 5 x 4.

Nos. 0 to 3 are made in matched pairs for Stereo Work.

Shutters of any desired make will be fitted to our lenses at manufacturer's prices.

SERIES III. IMPROVED APLANATIC LENS.



The prototype of all rapid symmetrical and rectilinear combinations. Is now made with increased illumination and rapidity and guaranteed fully equal or superior to the most expensive lenses of its kind. Next to the Antiplanetic Group Lens, Series II, it is the best lens for general work.

Nos. 5 to 10 inclusive of this Series are now furnished to order with an attachment allowing the distance between front and back combinations to be adjusted either for direct negatives or for copying from flat surfaces, thus practically giving the operator two lenses in one. For direct pictures approach the two combinations as near as the mounting will allow and for copying separate them in the same manner, whereby the lens loses in depth and gains correspondingly in flatness of field.

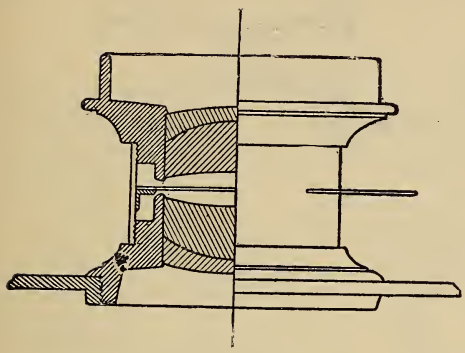
Designed for *Portraits*, *Groups*, *Architecture*, *Landscape*, and *Instantaneous Work*.

Also *Copying*, if used with extension as above.

No.	Aperture. Inches.	Focal Length. Inches.	Size of Portrait or Group. Inches.	Size of View or Landscape. Inches.	Price.
1	1/4	1 5/8	For Enlarging		$16 00
2	5/8	3 3/4	3 1/4 x 3 1/4	4 1/4 x 3 1/4	16 00
3	1	5 5/8	4 1/4 x 3 1/4	5 1/2 x 4 1/4	22 00
4	1 1/4	7 1/2	5 1/2 x 4 1/4	7 x 5	29 00
4b	1 9/16	9 1/2	7 x 5	8 1/2 x 6 1/2	35 00
5	1 11/16	11	8 1/2 x 6 1/2	10 x 8	40 00
6	2 1/16	14 1/8	10 x 8	12 x 10	51 00
7	2 3/8	17 3/8	12 x 10	14 x 11	78 00
8	2 15/16	21 3/16	17 x 14	20 x 17	114 00
9	3 7/16	25	20 x 17	22 x 18	151 00
10	4 9/16	33	22 x 18	24 x 20	223 00

Nos. 2 to 4 are made in matched pairs for Stereo Work.

SERIES IV. RAPID WIDE ANGLE APLANAT.



Angle about 75° and covering a larger field than the lenses of Series III. Effective aperture about f: 10.

Specially designed for *Landscape Work* and *Architecture*, but can also be advantageously used for *Flashlight Interiors* and *Copying*.

No.	Aperture.	Focal Length. Inches.	Size of Picture. Full Aperture. Inches.	Size of Picture. Smallest Stop. Inches.	Price.
1	3/16	2 3/8	2 1/2 x 2	3 1/4 x 3 1/4	$16.00
2	3/8	3	3 1/4 x 3 1/4	4 1/4 x 3 1/4	19.00
3	1/2	4 3/4	5 x 4	7 x 5	23.00
4	3/4	6 3/8	7 x 5	8 1/2 x 6 1/2	29.00
5	1	9 1/2	8 1/2 x 6 1/2	12 x 10	40.00
6	1 1/2	15 3/8	12 x 10	17 x 14	78.00
7	2 1/8	23 5/8	17 x 14	24 x 20	152.00

It is frequently desirable to get a picture from a given point, and to get it just the size to cover your plate, or of any other given size, without changing your position. This can only be accomplished by using objectives of different foci by which you can reduce or enlarge the image at will. For this work we have arranged a *Set of four Single Aplanats*, fitting in the same flange, aperture 1 in., covering from 5 x 8 to 20 x 24 in., according to focal length of the combination and size of the stop used.

Used singly and by combination among themselves seven different foci are obtained as follows:

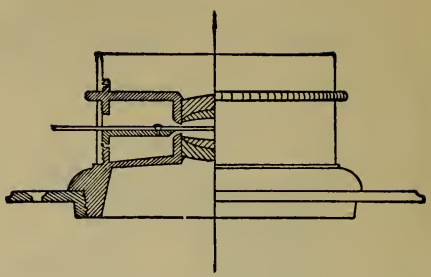
II in front with I behind,	7 3/4 in.	II single,	15 5/8 in.
III " " II "	10 3/8 "	III "	20 3/4 "
I single,	12 5/8 "	IV "	24 1/4 "
IV in front with III behind,	13 "		

Price in neat lock up case, $85.00,

Sets of any class and size of Aplanats made to order.

SERIES V.

EXTREME WIDE ANGLE APLANAT.

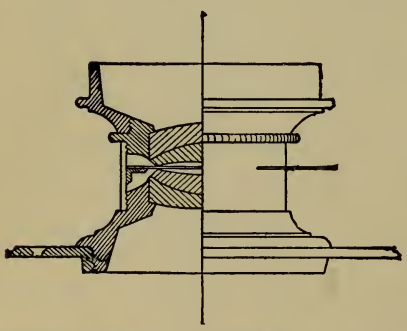


The proportionately short focus and large angle (about 100°) of these lenses make them particularly adapted for *Interiors*, *Architecture*, and for very high, broad objects taken from short distances.

No.	Aperture. Inches.	Focal Length. Inches.	Size of Sharp Picture. Inches.	Price.
1	8/16	3¾	5 x 5	$19.00
2	5/16	4¾	7 x 7	23.00
3	7/16	7¼	10¼ x 10¼	38.00
4	9/16	10⅜	12¼ x 12¼	57.00
5	14/16	16	18½ x 18½	84.00

Special quotations for larger sizes.

Shutters of any desired make will be fitted to our lenses at manufacturer's prices.



SERIES VI.

WIDE ANGLE APLANAT FOR COPYING.

These lenses give perfect flatness of picture and microscopic definition, and have at the same time a considerable field.

Designed expressly for *Copying Maps*, *Charts*, *Drawings*, *Paintings* and *Engravings* and *Photo-mechanical work generally.*

No.	Aperture. Inches.	Focal Length. Inches.	Size of Sharp Picture. Inches.	Price.
1	1	14⅜	10 x 10	$46 00
2	1¼	18	13 x 13	69 00
3	1¾	23⅝	17 x 17	99 00
3b	2	30¾	20 x 20	137 00
4	2½	38⅜	24 x 24	190 00
5	3	48¼	28 x 28	304 00
6	3½	56	34 x 34	456 00

Special quotations for larger sizes.

Especial attention is called to the marked reduction of the prices of this Series of Lenses, which now places them among the moderate priced lenses, and within the reach of all who, on account of the price, heretofore have used lenses not specially adapted for this style of work.

As a result of our experience we beg to point out particularly the necessity of avoiding the slightest vibration during exposure, when it is desired to obtain the extremest sharpness of picture which these lenses are capable of producing. It is also advisable not to use too small a diaphragm as the diffraction caused thereby tends to veil the picture.

For obtaining inverted negatives, without stripping the film, we have designed the Prisms of Series VII. which can be fitted to the above or any other lenses.

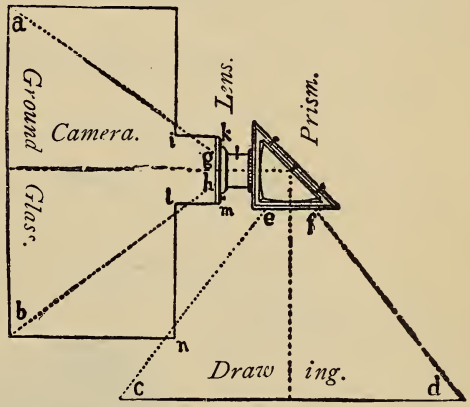
SERIES VII. PRISMS.

These Prisms are made of one solid homogeneous mass of glass, with silvered hypothenuse.

They are centered in their mountings and adjustable to our lenses simply by unscrewing the hood of the lens and screwing the Prism in its place.

With every Prism is furnished a rotary flange with set screw, allowing the Prism o be turned and fixed at any angle to the horizon.

Designed for making *Inverted Negatives without striping the film.* Also for special and scientific work.



No.	To work with Lenses as follows	Price.
1	Series III. No. 2, Series IV. No. 3, Series IV. No. 4.....	
	Series V. No. 1, Series V. No. 2.....	$32 00
2	Series IV. No. 5, Series V. No. 3, Series VI. No. 1.....	36 00
3	Series III. No. 3, Series VI. No. 2.....	40 00
4	Series II. No. 2, Series III. No. 4, Series V. No. 4.....	50 00
5	Series IV. No. 6, Series V. No. 5.....	60 00
6	Series II. No. 3, Series III. No. 5, Series IV, No. 3.....	72 00
7	Series VI, No. 3*b*.....	96 00
8	Series IV. No. 7.....	120 00
9	Series II. No. 4, Series III. No. 6.....	160 00
10	Series VI. No. 4.....	240 00
11	Series III. No. 7, Series VI. No. 5.....	360 00

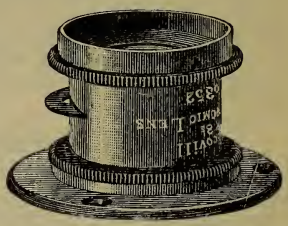
Larger sizes made to order.

No charge made for *fitting* the above Prisms to Steinheil lenses. For fitting to other makes of lenses the labor will be charged for at cost.

DARLOT GEM LENSES.

1-9 size	each,	$2 50
1-6 "	"	3 50
1-4 "	"	4 00

THE SCOVILL ECONOMIC LENSES.

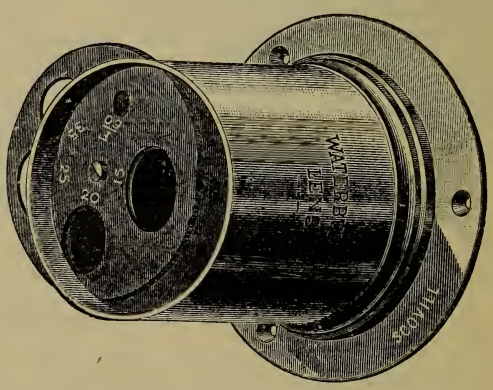


These Lenses are intended to fill the want experienced by thousands of successful workers with the Waterbury Lens for a good low-priced Rectangular Wide-Angle Lens, whereby they can gain artistic effects in perspective at short distances.

Price Scovill Economic Lens.

No.	Size of Plate.	Back Focus.	Equivalent Focus	Price.
3	6½ x 8½	6 inches.	6½ inches.	$15 00
4	8 x 10	8 "	8½ "	20 00

WATERBURY LENSES.



The unprecedented success which has everywhere resulted from the employment of the Waterbury Lenses, for 4x5 and 5x8 plates respectively, induced the Scovill & Adams Co. to extend the series of this favorite objective. The popular C Waterbury Lens gave an opportunity for producing 8 x 10 and even 10 x 12 photographs with the sharpness, detail and brilliancy of the smaller sizes, but after its advent there was still a gap between the 5 x 8 and 8 x 10 sizes. The desire is to see the Waterbury series complete has led to the production of the BB Waterbury Lens, which covers 6½ x 8½ (the ever popular 4-4 size) to the extreme edges. In future, revolving diaphragms will be supplied with all the Waterbury Lenses. In them are cut (with mathematical accuracy) openings in value $\frac{f}{16}$, $\frac{f}{20}$, $\frac{f}{25}$, $\frac{f}{35}$, $\frac{f}{60}$, respectively.

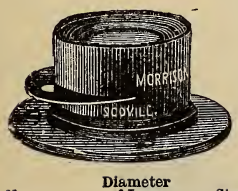
WATERBURY LENSES.—Cont.

The Waterbury Lenses are composed of a bi-convex crown glass lens cemented to another lens of the plano-convex form, made of the best selected flint glass. Be sure that the convex side of the lens is toward the focusing screen.

Owing to the great advances in the sensitiveness of emulsion plates, the Waterbury Lenses are now commonly used for groups and for instantaneous views, with the Scovill Safety Shutters, described on another page. No better testimony can be given to the excellence and reliability of these objectives, and the mathematical accuracy with which they are made, than that deduced from the recent test made of 392 lenses of the C series, in which large number only two lenses differed at all in focal length or luminous power from the others.

	Diameter. Inches.	Back Focus. Inches.	
A, Single, for 4 x 5 plate	$1\frac{6}{16}$	6	$3 50
A, Matched pair, stereoscopic			7 00
B, Single, for 5 x 8 plate	$1\frac{1}{16}$	10	4 50
BB, Single, for 6½ x 8½ plate	$1\frac{14}{16}$	10¾	6 00
C, Single, for 8 x 10 plate	2½	16	8 00

MORRISON WIDE-ANGLE VIEW LENSES.



These Lenses are absolutely rectilinear ; they embrace an angle of fully 90 degrees, and are the most rapid, and are universally conceded to be the best *wide-angle* lenses made.

No.	Diameter of Lens.	Size of Plate.	Equivalent Focus.	Price.	
0	$\frac{15}{16}$ in.	3 x 4¼ in.	2¼ in., each,	$20 00	These 6 sizes will fit into 1 flange.
3		4½ x 6½ "	4½ " "	25 00	
4		5 x 8 "	6 " "	25 00	
5		6½ x 8½ "	7 " "	25 00	
6		8 x 10 "	8½ " "	30 00	
7	1¼ "	11 x 14 "	11½ " "	40 00	
8	1¼ "	14 x 17 "	13 " "	50 00	

☞ Nos. 1 to 6 are all made in matched pairs for stereoscopic work. The shorter focused Lenses are specially adapted for street and other views in confined situations. For general purposes, a pair of No. 5 Lenses will be found most useful.

SCOVILL'S PORTRAIT LENSES.

For 3¼ x 4¼ and 4 x 5 Portraits, or in pairs for Stereoscopic Views on 5 x 8 plate.....Price each, $8 75

SCOVILL'S "PEERLESS" QUICK-ACTING STEREOSCOPIC LENSES.

For Portraiture or Views.

These Lenses are especially designed for Stereoscopic Photography and are so constructed that they will work well for interiors or exteriors.

They are particularly adapted for instantaneous work.

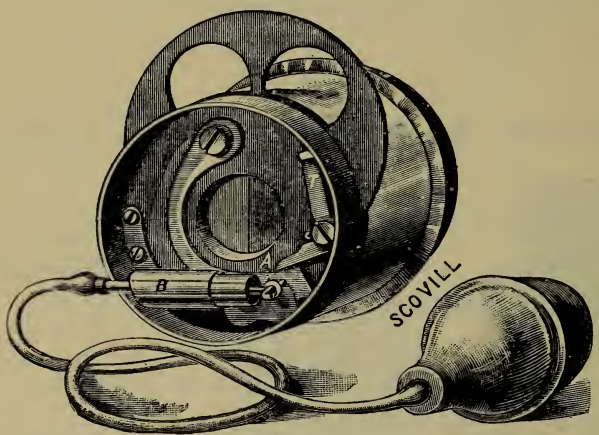
Diameter of Lenses, 1½ inch ; focal length, 3½ inches.

By removing the back lens and substituting the front combination a focal length of 5½ inches is obtained.

They are supplied with six Waterhouse diaphragms in morocco case.

Price, per pair.....$25 00
Imitation Dallmeyer Lens.....each, 9 50
" " Lenses, matched for Stereoscopic work, per pair, 17 00

THE ELITE TIME OR INSTANTANEOUS SHUTTER.



This economical shutter was especially designed for use with the Waterbury Lenses.

Directions for Use.

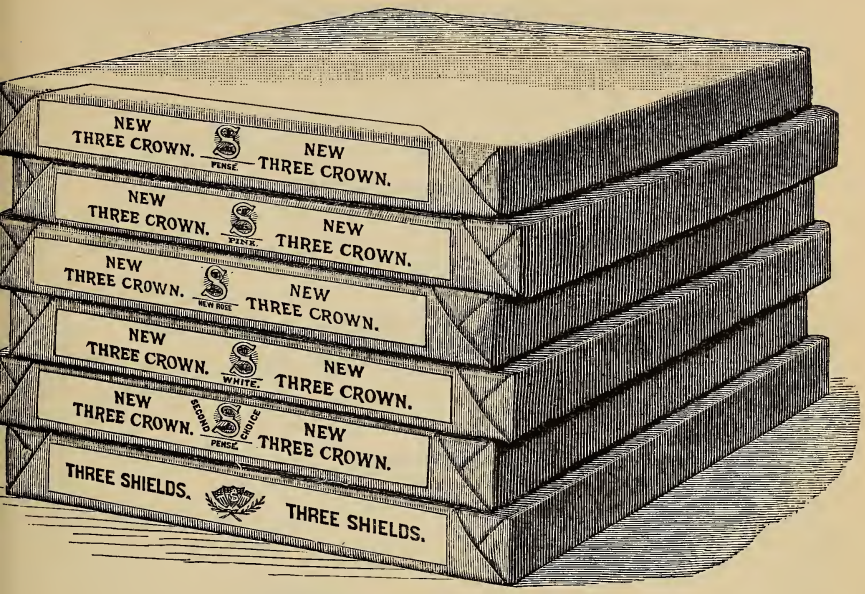
To set the shutter for snap work, push the point A as close to the piston B as it will go. Push arm T as close to the edge of the lens as possible. The shutter is now set for quick work. When ready to expose, give a hard, quick squeeze on the bulb.

For Time Exposure.

Press arm T as close to center of lens as it will go. Push the point A close to the piston B. For exposure, squeeze and hold the bulb, which will open the shutter; when the time of exposure is up, release the pressure upon the bulb and the shutter will close.

Price.....$3 50

Fitting to other Single Lenses, 50 cents extra.



ALBUMEN PAPER.

DRESDEN, THREE CROWN—

Single, Pink, Pensé or white, per dozen.....$ 1 00
Extra Brilliant, White, Pearl, Pensé or Pink, per Dozen..... 1 25
Single, per ream..... 34 50
Extra Brilliant, per ream..... 44 00
20½x24½ Saxe Extra Brilliant Paper, per dozen..... 1 40
22 x 36 Saxe Extra Brilliant Paper, per dozen..... 3 00
26 x 40 Saxe Extra Brilliant Paper, per dozen..... 6 50

Absolutely the best Albumen Paper to be obtained.

JAPANESE ART TISSUES.

The finest quality of Mikado Silk Paper for covering fronts of photographs, and preserving the burnish or gloss. Eight charming designs printed in blue ink.

Price, per 1000.....$2 00

Assorted designs.

PLAIN SAXE PAPER.

Medium, per dozen	$0 50
" per ream	16 00
Heavy, per dozen	55
" per ream	18 00

CLEMON'S MATT SURFACE.

Salted, per dozen	$0 85
" per ream	32 00

ENDLESS ROLL.

Plain, Steinbach's, Medium (54 inches wide), per yard	$0 30
" " " " " "	45

CEPA SKIN.

For vignetting, size 17 x 22, per dozen	$0 20
Per ream	6 62

ENGLISH TISSUE PAPER.

Size 20 x 30 per dozen (any color except ruby)	$0 15
Ruby color, per dozen	75

GUMMED PAPER.

Sheplie's, per roll of 300 yards, half inch wide	$0 60

LITMUS PAPER.

Per sheet, blue or red	$0 05
Per dozen	50

RUBY PAPER.

Carbutt's, 20 x 25, per sheet	$0 25

MASK PAPER.

Perfectly Opaque, size 20 x 24, per dozen (Post Office)	$0 25
" " " 20 x 24, " (Needle)	25

PRICE LIST OF THE NEPERA CHEMICAL CO.

Size.	REX. Doz.	REX. Gro.	VELOX, NEPERA, RUBENS, and REMBRANDT. Doz.	VELOX, NEPERA, RUBENS, and REMBRANDT. Gro.	BROMIDE. Doz.
2¼ x 3½	$0 15	$0 75	$0 15	$1 10	$0 15
3 x 4 or 3½ x 3½	15	1 00	15	1 25	15
3¼ x 4¼	20	1 20	20	1 00	15
3⅝ x 5½ (CABINET)	25	1 35	25	2 00	25
4 x 5	25	1 35	25	2 00	25
4 x 6	25	1 50	25	2 00	30
4½ x 6½	30	2 00	35	2 75	30
5 x 7	35	2 65	40	3 50	35
5 x 8	40	3 00	45	4 00	40
5½ x 7¾	45	3 40	50	5 00	50
6 x 8	50	3 75	55	5 50	55
6½ x 8½	55	4 10	65	6 00	60
7 x 9	65	5 25	75	7 00	75
8 x 10	75	6 00	90	8 00	80
10 x 12	1 10	9 00	1 25	12 00	1 20
11 x 14	1 25	11 25	1 50	15 00	1 55
14 x 17	1 85	18 00	2 25	24 00	2 35
16 x 20	2 50	24 00	3 00	32 00	3 20
18 x 22	3 00	30 00	4 00	40 00	4 00
20 x 24	3 00	33 00	4 00	44 00	4 80
22 x 27	....	.....	....	.....	6 00
24 x 30	....	.....	....	.....	7 20
25 x 30	....	.....	....	.....	7 50
24 x 36	....	.....	....	.....	8 70
30 x 40	....	.....	....	.....	12 00
Seconds (Cab's or 4x5)	....	80	....	1 20	.....
Proofs " "	....	50	....	.....	.....

One Sheet 25 in. x 10 ft.: REX, $1.35; RUBENS, NEPERA, REMBRANDT or VELOX, $2.00.

BROMIDE in Rolls at least 10 yards long:

10 in. wide, $0	30 per yd.	20 in. wide, $0	60 per yd.		
11 "	33 "	22 "	66 "		
12 "	36 "	24 "	72 "		
14 "	42 "	25 "	75 "		
16 "	48 "	35 "	1 07 "		
18 "	54 "	41 "	1 23 "		
		54 "	1 75	(only Rough and Platinoid)	

Nepera's Metol-Quinol Developer. For Dry-Plates, Bromide paper and "Velox" paper, ready prepared in powdered form. Per tin, 50 cents; per dozen tins, $4.00.

Nepera's Metol-Quinol Tubes. A developer for the same purposes, in powdered form ready for use. Per box containing five tubes, 75 cents. Clean, practical and economical.

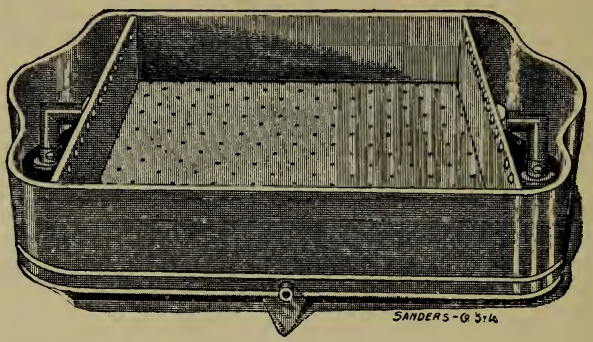
Nepera's Acid Hypo fixing powders (ready for use).....per box, $0 15
" " " .....per dozen boxes, 1 50

Nepera's Hardener.....per box, $0 25
" " .....per dozen boxes, 2 50

☞ *Order through your dealer, and if he does not keep our goods, please give us his address and order directly from us.*

THE CALIFORNIA AUTOMATIC PRINT WASHER.

WILL H. LEIGH, Inventor.



The Principle on which the Automatic Washer is constructed provides for a constant and complete change of water with an upward and circular motion from being forced through the small holes, and an automatic rocking of the tank gives the entire body of water exactly the same motion that separates the prints in the ordinary tray by rocking. With this apparatus prints never settle to the bottom of the tank, but float in the water and move gently from side to side.

The face of each print is in this way presented to the moving water and imperfect washing is an impossibility.

Prints require no watching nor handling with this washer, thus saving its cost in labor alone.

They are furnished in three sizes, and made and finished for service and wear.

PRICES.

12 x 12 inches, $7 00 | 20 x 20 inches, $8 50
25 x 25 inches, $10 00

CUT-OUTS OR MEDALLION MASKS.

For Printing Photographs.

For Carte de Visite,	3 sizes, per dozen	$0 15
" Victoria,	1 size, "	20
" Cabinet,	2 sizes, "	25
" 4-4 Ovals,	set of one dozen	30
One package, containing six of each of above seven sizes		75
Gihon's Cut-Outs, 30 assorted sizes (sold only in sets)		1 00

GELATINE.

	Per lb.
Nelson's No. 1 Photo. Gelatine, shred, in ½ lb. parcels	$1 50
" " 2 " " " ½ "	1 10
" " 3 " " sheets, in 1 "	65

EGYPTIAN CHEMICAL COLORS.

Triple Strength.

We take pleasure in calling your attention to the Egyption Chemical Colors, prepared expressly for coloring photographs, either on plain or albumenized paper.

No. 1. No. 2.

These Colors are something new and far superior to anything of the kind heretofore used by photographers and others for the above purpose. The art of using them is so simple that the most inexperienced person can color photographs with entire satisfaction. Photographers who have tested these Colors say that the Blue, Brown, Rose and Flesh Colors are indispensable and worth the price of the whole set. Each bottle is labeled with full instructions for their use and how to obtain good effects. Burnishing the photograph after it is colored does not in the least disturb the colors, but softens down and improves them.

A box of these Colors by careful usage ought to color three thousand photographs.

These Colors are put up in polished wooden boxes labeled "Egyptian Chemical Colors."

Box No. 3, Egyptian Chemical Colors, $1.50.

Box No. 2, contains 9 half oz. bottles of the following Colors: Lemon, Yellow, Dark Emerald Green, Orange or Gold Color, Blue, Dark Brown, Rose, Violet, and Flesh. Price, $2.00.

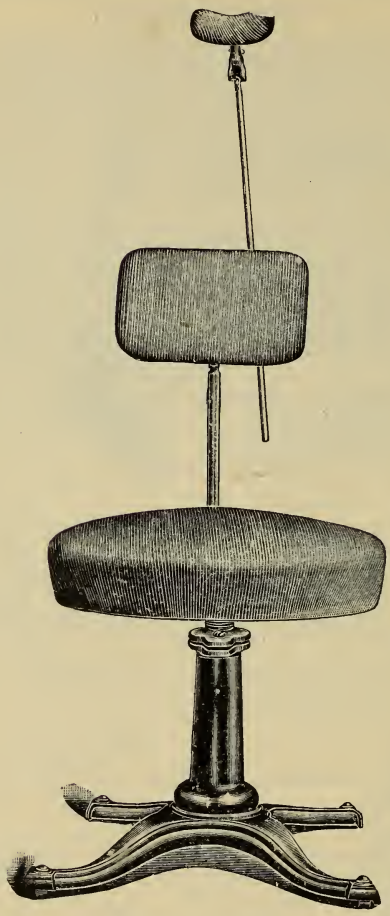
Box No. 1 contains fourteen 1 oz. bottles of the following Colors: Dark Emerald Green, Orange or Gold Color, Blue, Dark Brown, Rose, Violet, Flesh, Lemon Yellow, Magenta, Salmon, Vermilion, Terra Cotta, Maroon Brown, Transparent Black, including a 4 oz. bottle of the Egyptian Transparent Compound. Price, $6.00.

Separate bottles of Colors and Compound can be obtained.

The Egyptian Transparent Compound.

This article is a transparent Cement, used in connection with the above Colors, for adhering to flat or convex glass a colored unmounted photographic print. Price, per bottle, ... $0 75

THE WHITE "NEW STYLE" CHAIR.



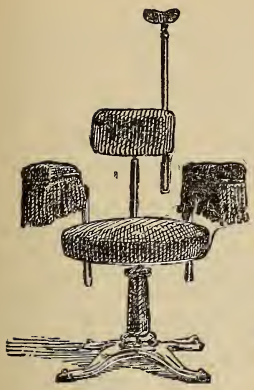
A Dozen Chairs in One. A Revelation in Mechanics.

The Chair in its Simplest Form, without its Attachments and Accessories.

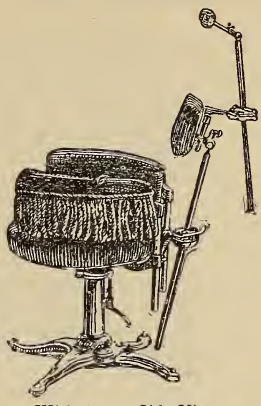
The most perfect and complete studio appliance in existence. It is a marvel in mechanical form ; of simplest construction, yet permitting the greatest degree of convertibility. It may be contracted within the smallest space, or extended to the most ample dimensions, to suit any conceivable position of the subject, all of which changes are easily and quickly effected.

THE WHITE "NEW STYLE" CHAIR.—Cont.

A FEW POSITIONS.

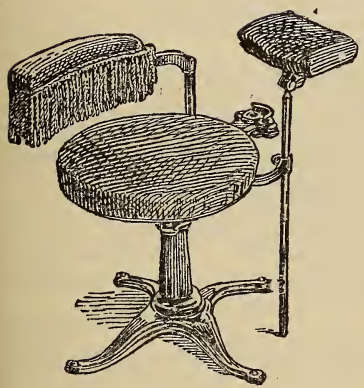


With Arms.



With Arms, Side View.

With Baby Attachment, Draped



In Grouping, as a Seat for Holding Child.

As a Small Chair.

As a Leaning Stand

The above cuts show the practical workings of some of the attachments. The combinations possible are almost infinite in number.

No studio can properly be said to be "equipped" without the White Posing Chair. This chair in itself affords facilities exceeding the united facilities of a *dozen other chairs*, and in such simple and unique arrangement, that, while combining all excellencies, it stands pre-eminently superior in every point of comparison.

PRICES.

"New Style" Chair, including Back, Head Rest and Self Leveling Base (as on page 64), boxed	$27 00
Arms, additional	8 00
Baby Holder "	8 00
Crank Elevation, "	7 00

WHITE'S POSING SUPPORT

For Photographers, Artists, Etc.

Style No. 1.

This Posing Support has the applied principle of the improved combination slide-rod, ball and socket joints. It is adapted to the smallest or tallest person, and for all adjustments or positions. It is in design and finish, a refined and elegant piece of mechanism, and in every way commends itself to the "up to date" photographer. It is a suitable aid and accompaniment to the highest artistic portraiture of the present age.

The ear-clips of the support have swiveling wrist movement as well as lateral or spread adjustment combined at one fastening, affording facility for either horizontal or vertical positions of the carrying rod, placing the parts to conform to the pose without regard to instrument itself, or the liability of portions thereof appearing in view.

A detachable back rest is provided which has all desirable facilities of easy and quick adjustment.

The adjusting joints are formed in the most perfect manner, especially adapted for giving accuracy and uniformity of movement, and the sliding rods are of steel of accurate gauge, and are plated with nickel. The stand is nicely japanned with blue and gold line ornamentation.

"I have three in my galleries."

CHICKERING.

"It is certainly the best in existence. I sold my other head rest for old iron."

STEFFENS.

Ordering another says, "Posing Support at hand, am well pleased with it. It's perfect."

It is impossible in a brief description, and without the object itself, to give more than a suggestion of the almost marvelous celerity of movement, smoothness of action and ready adaptation to position, which this beautiful instrument affords, having, as it does, under complete control, all points within a portion of space from the floor to a height of eight feet, and within a diameter of six feet.

Adjustment for taking up wear, or to give proper degree of holding power, can be made instantly with the fingers, without the use of a wrench or tool.

Recent improvements in details have enhanced the superiority of this appliance.

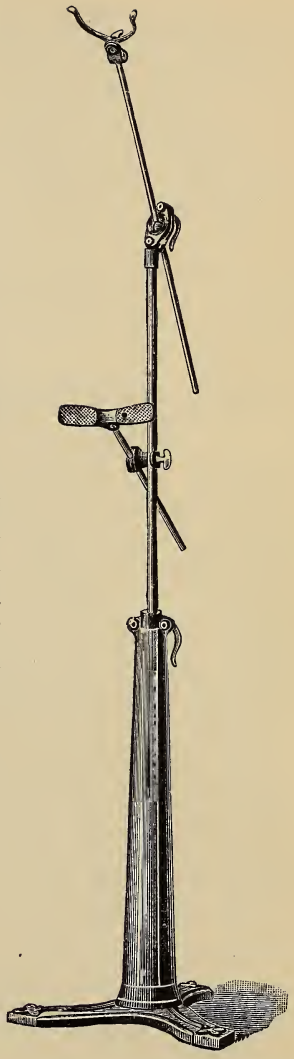
Price of Posing Support No. 1, Complete, boxed.....$20 00

WHITE'S POSING SUPPORT.

STYLE No. 2.

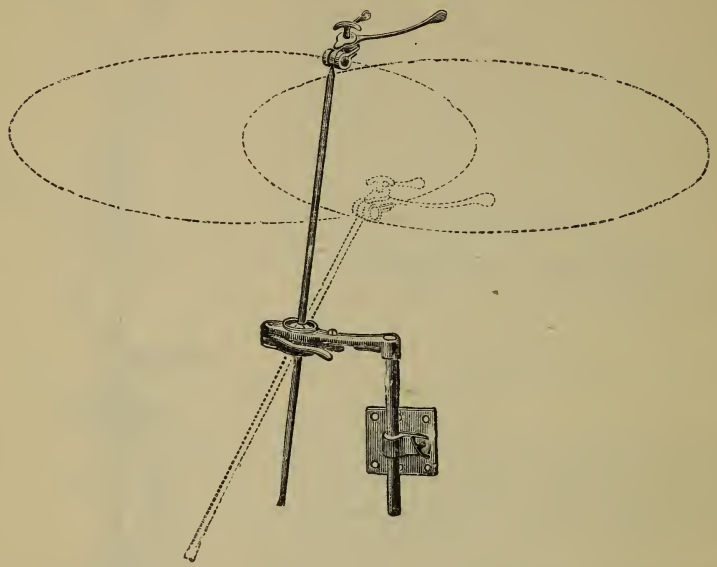
This cut shows another form of the Posing Support of somewhat lighter construction. It has the Improved Swivel Clamping Back Joint with the adjustable Ear Clips of No. 1, but lacking the Ball and Socket Joint at top of base. Instead, it is provided with telescopic movement, and handle for convenience in moving about the studio.

Price of Style No. 2, boxed.....$14 00



WHITE'S PHOTOGRAPHIC CHAIR HEAD REST.

Hundreds of these Head Rests have been sold for general use, exclusive of those sold with the posing chair.



The dotted lines indicate somewhat its great range of movement—from side to side, 40 inches, up and down, 24 inches—all controlled instantly by one lever or point of fastening.

"Your Chair Rest is used to the tune of 100 a day and is appreciated by E. C. DANA, New York."

This Photographic Chair Head Rest is essentially the same as that used on the Otis C. White Posing Chair. The appliance, as here shown, is for attachment to any studio chair or settee, by means of the plate, into which the supporting rod slides, as shown by cut; it has the ear clips with the wrist movement. The ball and socket adjustment gives complete universality of adjustment, ample to accommodate any position of the subject, for a child or the tallest person, the movement being under control from the sectional ball mechanism.

The ear clips have swiveling wrist movement as well as lateral or spread adjustment, same as with the posing supports.

For delicacy of adjustment, freedom of action and range of movement, it attains a perfection beyond rivalry.

By using extra brackets the rest is made available for use interchangeably on different chairs or settees. By loosening a thumb-nut, the change is quickly made.

This Chair Head Rest is graceful and light, and is amply strong for all service. It is made of best malleable iron, with steel rods, polished and nickel plated throughout, except the bracket, which is japanned.

WHITE'S PHOTOGRAPHIC CHAIR HEAD REST.—Cont.

PRICES :

Chair Head Rest, completed as illustrated, nickel plated throughout, $8 00
Extra Brackets, each 50

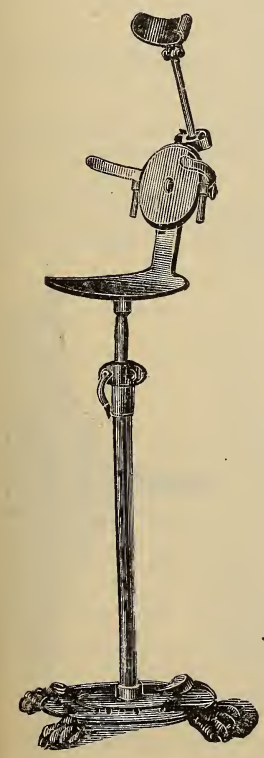
A small plush *upholstered head piece* with swivel joint, same as with posing chair, can be furnished in place of the metal ear clips, if preferred, at the same price.

A larger upholstered head piece will be furnished to order ; price to be made according to size, style and quality of material.

NOTE.—When attaching the bracket or support-plate, it should be placed so that the main rod will stand vertical. If the frame is not plumb, place wedge pieces between the bracket-plate and chair or settee back.

EXTRA PARTS :

Metal Ear Clips, with $\frac{7}{8}$ inch by 18 inch Rod, the same as represented, or other size of Rod, $\frac{5}{8}$ inch, if ordered..... $2 50
Plush Upholstered Head Piece, with Rod, same as Posing Chair... 2 50



WHITE'S PHOTOGRAPHIC CHILD'S CHAIR.

The purpose of this appliance is for supporting infants or small children to display to the best advantage the draperies or clothing of the child, without unnecessary show of furniture or accessories. It is provided with facilities for comfortably maintaining the child in pose and permitting the long skirts to fall naturally in graceful lines, without showing any of the supporting means, a feat difficult to accomplish with the usual furniture of the studio.

The Child's Chair has all needed adjustments for contraction and enlargement to accommodate infants, from the smallest to those of three years of age.

The head rest has the *adjustable extension movement* in *slide-rod, ball and socket joints*, and the *waist clasps* the same as in the baby-holder with the posing chair.

The seat is of metal in elegant design ; the back-plate of wood, and the head-rest upholstered. The seat, back-frame, waist-clasps and rods are nickel plated, and the telescoping standard and base are japanned.

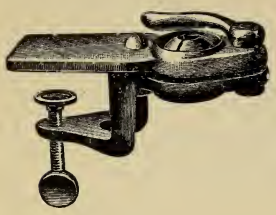
The adjustable waist clasps, with seat and back, for a child's photographic chair, is a *special feature, secured by letters patent.*

NOTE.—The back, waist-clasps and head-rest, together with a special attachment bar, make up the *baby holder* accessories for the *posing chair.*

PRICE :

Child's Chair, complete as above.....$12 00

TABLE CLAMP WITH SECTIONAL BALL AND SOCKET JOINT.



The ball carries a $\frac{7}{16}$ inch rod, the same size as is used in the chair head rest, screens, and smaller rods of the posing supports. This joint will be found a very useful adjunct to these appliances.

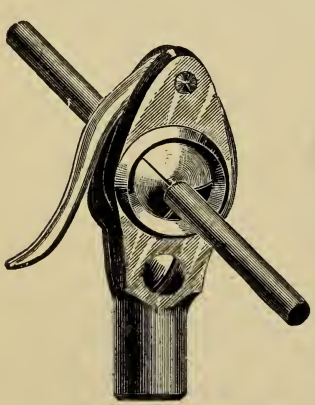
Price.....$1 25

GENERAL DESCRIPTION OF HEAD SCREENS AND SIDE SHADES.

HAVING THE RAPID OR "INSTANTANEOUS MOVEMENT" AFFORDED BY THE CELEBRATED SECTIONAL BALL SLIDE-ROD JOINT.

These Head Screens and Side Shades are constructed on a new and improved system, the principles being similar in all styles, both for the Head Screens and Side Shades.

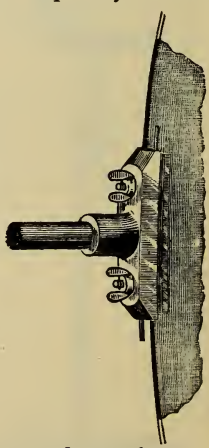
The Shades are of ecru scrim cloth, hemmed on their outer edge and mounted on an *expansible frame* in connection with a metal carrying rod and standard, held by a base of original design made expressly for the purpose, which will not tip with the weight of the screens at position of greatest extension.



Sectional Ball and Slide-Rod Joint.
(Fig. *a.*)

The *screen rod* and *standard* are connected by the slide-rod sectional ball and socket joint, that permits adjustment in all directions and is locked by a single fastening.

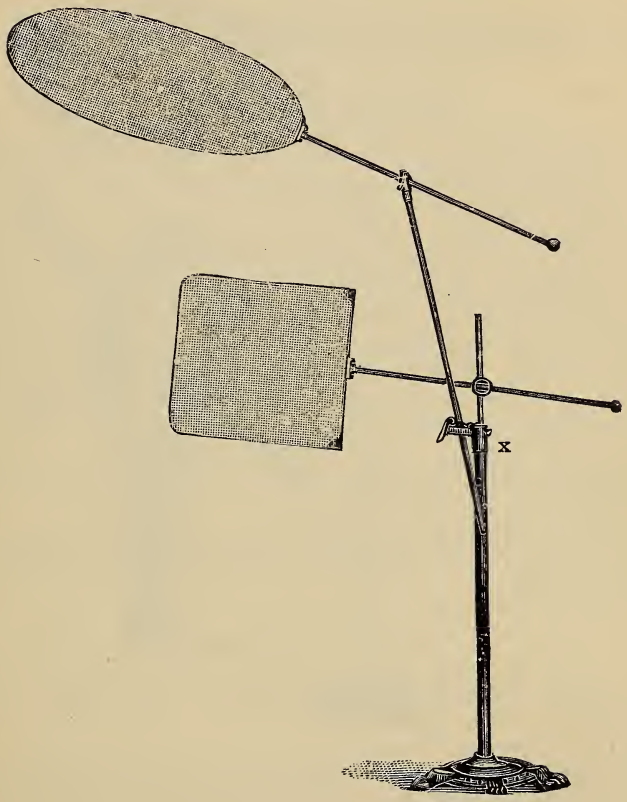
The *cloth supporting frames* are of fine hard drawn steel rods, especially made for the purpose, and plated to prevent rusting in contact with the cloth.



Improved Clamp Fastening.
(Fig. *b.*)

WHITE'S PERFECTION HEAD SCREEN AND SIDE SHADE.

STYLE No. 1.



In this style the Head Screen is held by a projecting sectional ball joint on the base support, which, acting with the ball joint of the *carrying rod, extends its range more than two-fold in the area it will cover.*

NOTE.—For *export* trade a duplicate of the top screen is substituted for the square side shade, this being the most popular form of the screen abroad. The price is the same as with the *square* side shade—$10.00.

"We think it indispensable in making fine, artistic work."—ENTREKIN.

"Have also used the screen with much success."—SHADLE.

WHITE'S PERFECTION HEAD SCREEN AND SIDE SHADE.—Cont.

Description of Style No. 1.

The base standard has the double or duplex joint, providing a separate rod for the new compound clamping and swiveling joint. (See Fig. d.) Patented August 30, 1887.

This style provides for adjustment of the screen from a height of 8 feet to the floor, to any position within a circle of 8 feet, and without other means of adjustment than is instantly afforded by the cam lever (see letter x) the latter being provided with a nut to take up any wear occasioned by use. like all the other joints. None of the parts have back-lash or loose and shaky joints. While the side shade is used conjointly with the head screen, it is evident that the desired effect is best accomplished by this method of separate adjustment, as the placing of one shade does not put the other out of position

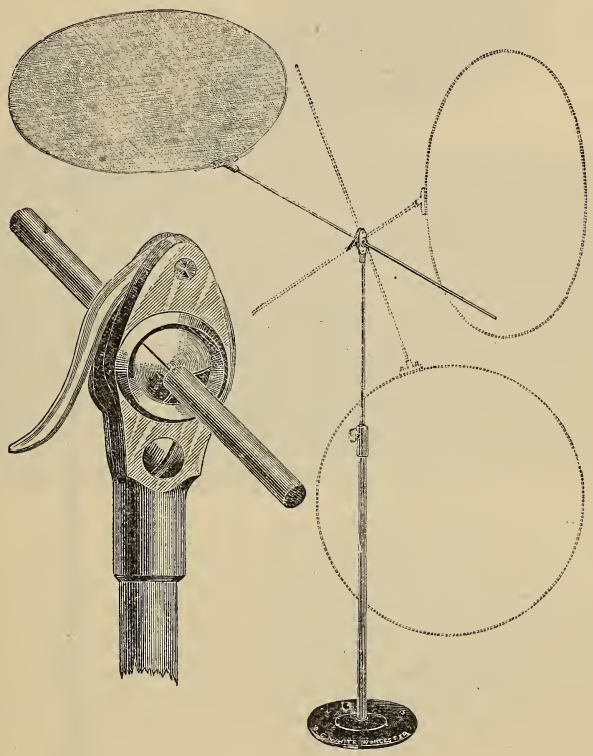
The side shade is independent of the head screen in its movements, although it is supported on the same base.

The large demand and rapidly increasing sales for these side shades, fully confirm the claims of superiority advanced for the use of side shades with head screens.

PRICES. Securely Boxed.

No. 1, Head Screen, as illustrated, with square or large, round side-shade, and ornamental foot base	$10 00
If with Oval Shade	9 50
No. 1 Head Screen, without side shade	7 00
Separate side shade, with clamping joint and shade rod, square	3 00
Oval	2 50
Adjusting Shade Rod for side shade, separate	25
On side shades ordered separately, boxing will be charged extra	25

STYLE No. 2.



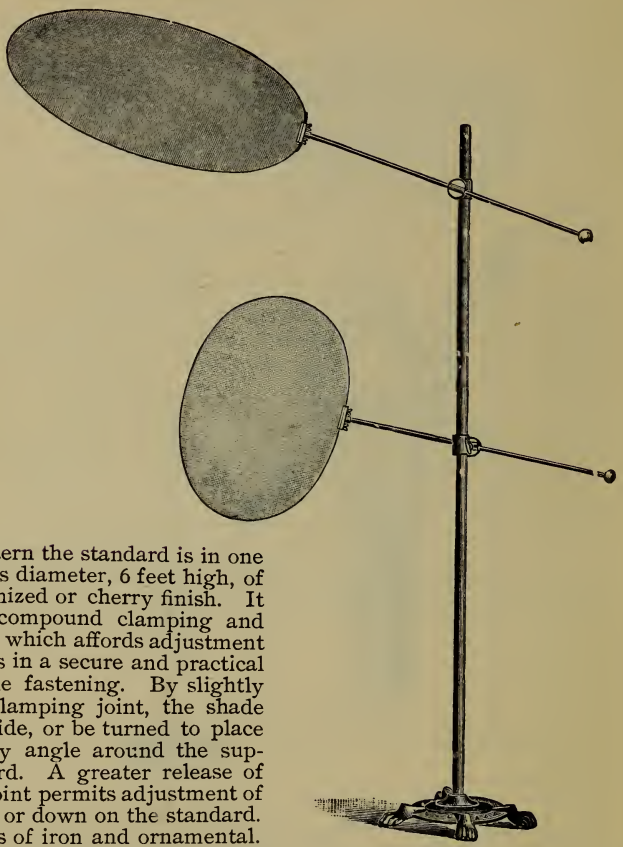
This style head screen is the same as previously advertised, and of which large numbers have been sold. It has a circular base with the elevating rod telescoping into the base standard without the off-set or projecting sectional ball joint. The adjustment of the elevating rod is made by a saddle and thumb-screw at the top of the base standard. In all other respects it is like No. 1, having the same slide-rod ball and socket joint with binding lever, as shown in detail in this cut. Side shades can be used with this style of head screen attached by the improved clamping joint to the elevating rod.

PRICES.

No. 2 Head Screen, same as illustrated, including box,.....$6 00
If with New Ornamental Base, extra..... 25

Side Shades, extra, prices same as for No. 1.

STYLE No. 3.



In this pattern the standard is in one piece, 1¼ inches diameter, 6 feet high, of hardwood, ebonized or cherry finish. It has the new compound clamping and swiveling joint, which affords adjustment to all positions in a secure and practical manner, by one fastening. By slightly releasing the clamping joint, the shade rod is free to slide, or be turned to place the shade at any angle around the supporting standard. A greater release of the clamping joint permits adjustment of the screens up or down on the standard. The foot base is of iron and ornamental.

This style is packed in box, with pole separately crated.

PRICES :

No, 3 Head Screen as illustrated, with Oval Side Shade	$7 00
If with Square Side Shade	7 50
No. 3 Head Screen, without Side Slide	4 50

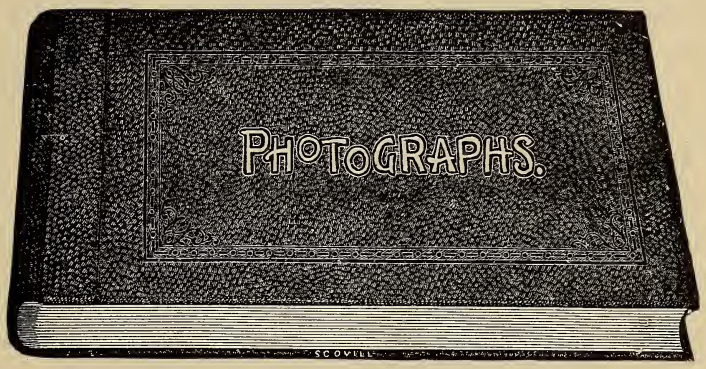
Side Shades, separate, same price as for No. 1.

In ordering side shades for this style, specify that they are for No. 3 pattern.

HOWARD ALBUMS.

With Interchangeable Leaves.

The Howard Album, with interchangeable cards, is the latest novelty in the way of an album for mounting photographs. In handsomely embossed covers are bound twenty-five of Collins' cards, which are chemically pure from all matter that would injure the photographs. In the mode of binding, and their interchangeable feature, lies the difference between this and other albums.



To each card are attached two small metallic binding loops, so fastened that they act like hinges; through the projection of these loops a binding cord passes, which fastens at the back with a tie; thus each card is bound in the cover independently, and may be taken out and returned or replaced with ease. This method of making an album affords the amateur the best means of preserving the results of his labor, because each picture may be finished before putting the card in the album. The arrangement of the pictures may also be altered at will—if a single card is spoiled, the whole album is not ruined. If a picture is taken out, it can be quickly and readily done without injury to the volume.

Full Cloth, Embossed, Gold Label, with A. M. Collins Mfg. Co.'s No. 1 Cards.

			With 25 Collins Cards.
No. 1.	6 x 7 Cards, for	4 x 5 photographs	$0 80
" 2.	7 x 10 "	5 x 8 "	1 00
" 2½.	8 x 10 "	6½ x 8½ "	1 50
" 3.	10 x 12 "	6½ x 8½ "	1 75
" 4.	11 x 14 "	8 x 10 "	2 00

Morocco, Half Leather, Extra Gold Finish, with A. M. Collins Mfg. Co.'s Cards, Boxed.

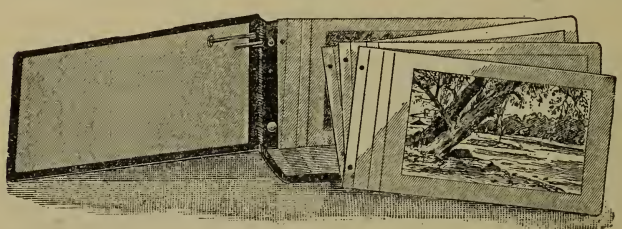
			With 25 Collins Cards.		With 50 Collins Cards.
No. 5.	7 x 10 Cards, for	5 x 8 photographs	$1 50	No. 11,	$2 65
" 6.	8 x 10 "	6½ x 8½ "	2 00	" 12,	3 00
" 7.	10 x 12 "	6½ x 8½ "	3 25	" 13,	3 60
" 8.	11 x 14 "	8 x 10 "	2 65	" 14,	4 15
" 9.	14 x 17 "	10 x 12 or 11 x 14 "	4 15	" 15,	7 75
" 10.	16 x 20 "	11 x 14 or 14 x 17 "	5 45	" 16,	9 25

Extra Cards, Collins' Best, for Howard Albums, Mounted with Loops, Ready for Use.

6 x 7,	Package of one dozen	$0 38
7 x 10,	" " "	50
8 x 10,	" " "	60
10 x 12,	" " "	75
11 x 14,	" " "	88
14 x 17,	" " "	1 25
16 x 20,	" " "	1 55

THE REGENT ALBUM.

INTERCHANGEABLE LEAVES.



The Regent Album combines neatness with durability. The patent interchangeable feature is constructed in such a manner as to allow the leaves to be readily removed and replaced with little or no trouble and in the twinkling of a moment.

The leaves of the Regent Album lie absolutely flat and are perfectly rigid in the back.

Price List. Each Album containing 25 Leaves.

No. 1.	6 x 7....	$1 25	Extra leaves, white or gray, per doz....		$0 35
" 2.	7 x 10....	1 50	" " " " " ...		45
" 3.	10 x 12....	2 00	" " " " "		75
" 4.	11 x 14....	2 50	" " " " "		1 00

Leaves for Squeegee Photographs.

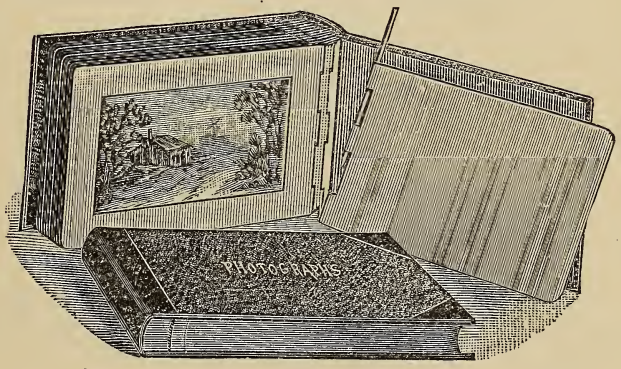
No. 1.	6 x 7.....per doz.,	$0 50	No. 3.	10 x 12.....per doz,,	$1 25
" 2.	7 x 10..... "	70	" 4.	11 x 14..... "	1 55

The Regent Albums are bound in full cloth, handsomely embossed, finished with gilt title, and enclosed in a neat box.

The leaves and covers are round cornered.

THE ECLIPSE ALBUMS.

Interchangeable Leaves. Spring Back.



The Eclipse Album is the most perfect album manufactured. The interchangeable feature is superior to all others. It contains twenty-four Collins' Best Cards, which are chemically pure and free from all matter that would injure a photograph. Each leaf is distinctly independent, and may be taken out and returned or replaced with the utmost ease without having to disturb any other leaf or part of the album. The arrangement of the picture may be altered when desired, and if a single leaf is spoiled the whole album is not ruined.

Directions for Removing the Leaves and Mounting Photographs.

Read carefully the following:

The leaves of the Eclipse Album are fastened by means of a small rod or "pintle," as will be seen by the above cut. At the back of the album, in

the inside, is a slot or cut expressly made, by means of which you can readily grip and remove the pintle. The pintle thus removed will give you an instrument with which you can remove the others. A pin or hair-pin also answers admirably.

Place the flat or upper end against the flat end of the leaf, and press it out, thereby removing both the leaf and the pintle.

Each picture may then be finished and mounted on the card and burnished before putting the card in the Album.

Photographs should under no circumstances be mounted with the ordinary photographer's paste or the many scented "paste preparations" sold by dealers generally.

We confidently recommend "Non-Cockle" as being the best preparation manufactured for mounting purposes.

In mounting the pictures it is very important to have them dry thoroughly between blotting paper, under pressure.

The Eclipse Album, as a sample book, especially for mounting samples of fine stationery, satins, delicate laces, etc., is pronounced by the best judges as having no equal.

Improved Spring Back with Twenty-four Collins' Cards.

No. 1	6 x 7	$2 25
" 2	7 x 10	2 50
" 2½	10 x 7½—upright	3 50
" 3	10 x 12	3 75
" 3½	12 x 10 —upright	4 25
" 4	11 x 14	4 25
" 4½	14 x 11½—upright	6 25
" 5	14 x 17	7 00

The Eclipse Albums are handsomely finished in Morocco, half leather bound, with gilt title, and enclosed in a neat box.

Nos. 2½, 3½, 4½ and 5 have round corners; Nos. 4½ and 5 are extra gold finish.

Full Leather Bound.

These books are full leather bound, seal grain, padded covers, and round corners. They are expressly made for the finest class of trade. Prices as follows:

No. 21	6 x 7	$3 00	No. 23½	12 x 10	$6 00
" 22	7 x 10	3 50	" 24	11 x 14	6 00
" 22½	10 x 7½	4 50	" 24½	14 x 11½	8 00
" 23	10 x 12	5 50	" 25	14 x 17	9 00

Extra Leaves.

White and Gray. Best Quality. 1 Dozen in a Box.

No. 1	6 x 7	$0 50	No. 3½	10 x 12	$0 80
" 2	7 x 10	65	" 4	11 x 14	1 10
" 2½			" 4½		
" 3	10 x 12	89	" 5	14 x 17	1 75

ARE YOU USING THE

"WORLD" SPECIAL PHOTO FINISH BLOTTING PAPER?

It is chemically pure and will not lint. Try it.

Every sheet of the genuine bears embossed water mark of "World" Blotting.

Price per Ream.....$16 00 | Price per Dozen.....$0 60

THE ORIGINAL ELECTRIC ABSORBENT.

PHOTO FINISH "WORLD" BLOTTING

IS PERFECTION.

Will not Lint. Chemically Pure.

Price per Ream.....$16 00 | Price per Dozen.....$0 60

THE STUDIO REGISTER.

(COPYRIGHTED).

Use it a week and you would not be without it for ten times the price.

It is complete, economical, simple, handy. It keeps a complete record of your business.

Every Gallery should have a Studio Register. Twenty lines to each page.

These books are well bound, with leather backs and corners, and cloth sides.

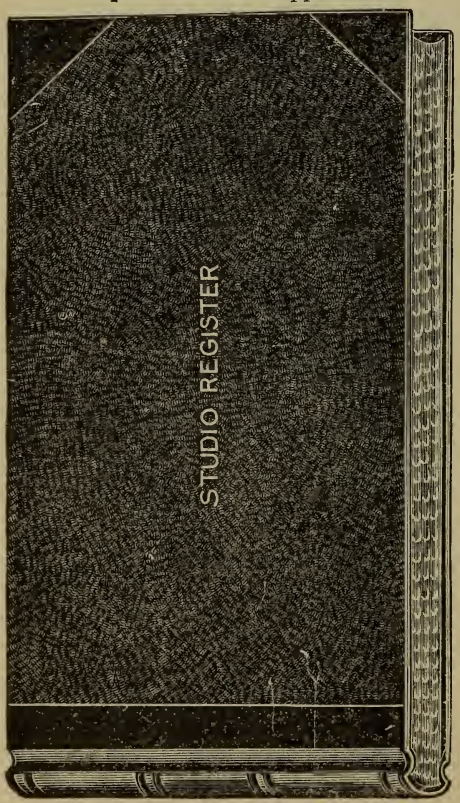
Size of leaf, 8½ x 14 inches.

Each book has an index in front.

PRICE LIST.

No. 1.—160 Pages,	3,200	Names.....	$2	75
No. 2.—240 "	4,800	"	3	50
No. 3.—320 "	6,400	"	4	25
No. 4.—400 "	8,000	"	5	00

Sample leaf sent on application.



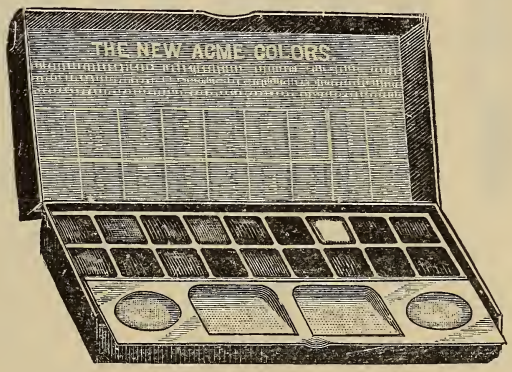
FORM OF SHEET.

Date Ordered.	NAME.	RESIDENCE.	No. Negative.	No. Ord'd.	Size and Style.	When Promised.	Proof Sent.	Amount Paid.	Amount Due.	When Delivered.	Remarks.

DRY COLORS.

Anderson's Paper Boxes, fitted with 14 round boxes Colors, Gold Saucer, 4 Brushes, for Ferrotypes, per box	$1 75
Separate Colors, each	10
Gold Saucers, medium, each	15
" " per dozen	1 00
" large, each	25
" " per dozen	1 75
Silver Saucers, medium	15
Webster Colors, per box	1 00

THE NEW ACME WATER COLORS



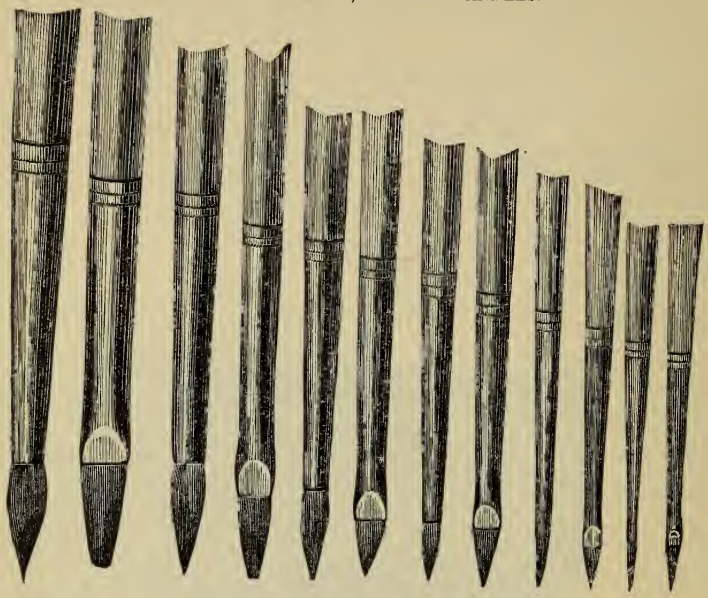
Are not a liquid, but are put up in cups in moist form, 18 Colors constituting a set. Seven of these are Surface, and eleven are Tinting Colors. They are more simple in application than liquid colors, more convenient, of greater permanency, more powerful, and are certainly the most economical, as they will neither freeze, precipitate, nor spill. In matters of permanency, quality, and quantity they are unrivaled.

The artist will also find them admirably adapted for drawing and painting on silk, satin, or paper. The photographer will find them indispensable, not only for coloring purposes, but for spotting and covering up blemishes. There will be no trouble in burnishing over all the tinting colors. We could give many valuable testimonials as to the value of the Colors, but it is not deemed necessary.

Price of New Acme Water Colors, per box, 18 colors	$2 50
Orange Medium for Acme Gloss Compound	35
Any Tinting Color, in separate cups	25
Amateur, 6 colors, per box	1 00

RED SABLE BRUSHES.

IN TIN FERRULES, CEDAR HANDLES.



For fine painting in oil colors, or for coloring ferrotypes.

Nos.	Per Gross.	Per Doz.	Each.	Nos.	Per Gross.	Per Doz.	Each.
1	$8 00	$0 80	$0 07	7	$21 25	$2 12½	$0 18
2	8 30	83	08	8	23 15	2 35	20
3	9 90	1 00	09	9	24 80	2 50	22
4	11 40	1 15	10	10	28 20	2 85	24
5	12 90	1 30	12	11	34 75	3 50	30
6	14 46	1 50	15	12	42 90	4 35	38

BRISTLE BRUSHES.

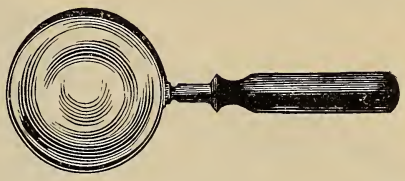
Size.	Per Doz.	Each.	Size.	Per Doz.	Each.
1 inch	$1 20	$0 12	2½ inch	$3 00	$ 30
1½ "	1 80	20	3 "	3 60	40
2 "	2 40	25			

CAMEL'S HAIR BRUSHES.

Size.	Per Doz.	Each.	Size.	Per Doz.	Each.
1 inch	$2 25	$0 20	2½ inch	$5 62	$0 50
1½ "	2 35	30	3 "	6 75	60
2 "	4 50	40	3½ "	12 00	1 12

RETOUCHING GLASSES.

GERMAN SILVER BAND. EBONY HANDLE.



	Each.
2 inch Lens	$0 85
2½ " "	1 25
3 " "	1 75
3½ " "	2 25
4 " "	3 25
4½ " "	3 75

LEADS ONLY.

RETOUCHING PENCILS.

A. W. FABER'S PENCILS.

WITH SIBERIAN LEAD FROM THE ALIBERT MINE. FOR RETOUCHING, ETC.

We give the following scale for convenience in ordering :

BBBBBB—Extra soft and extra black.
BBBB—Very soft and extra black.
BBB—Very soft and very black.
BB—Soft and very black, No. 1.
B—Soft and black.
HB—Hard and black, No. 2.
F—Middling, No. 3.
H—Hard.
HH—Harder, No. 4.
HHH—Very hard.
HHHH—Very Hard.
HHHHHH—Extra hard.

The above scale applies to both the pencils in WOOD and LEADS only, so be sure to state which is wanted.

The four degrees of pencils bearing the numbers 1, 2, 3 and 4 form a collection especially suited for ordinary use ; these are the finest grade of pencils made.

	Each.	Per Doz.
2B to 6H	$0 10	$1 00
3B to 6B	13	1 25

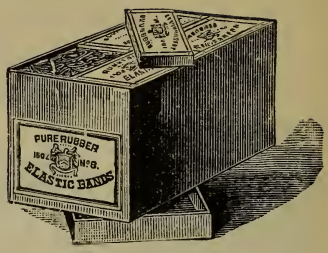
METAL POINTS.

The Crowell....each, $0 25 ; per doz.,$2 50
Faber's Holder for Leads, including one Lead.....each, 25

RUBBER BANDS.

Eighteen gross 1½ inch bands in a ¼ lb. box. Put up nicely in ¼ lb. boxes. Use them instead of twine. 2,592 bands (count 'em) in a ¼ lb. box.

Per ¼ lb. box.....$1 00
Per 1 oz. box..... 30



THE "ALPHA" CABINET.

PURE RUBBER ELASTIC BANDS.

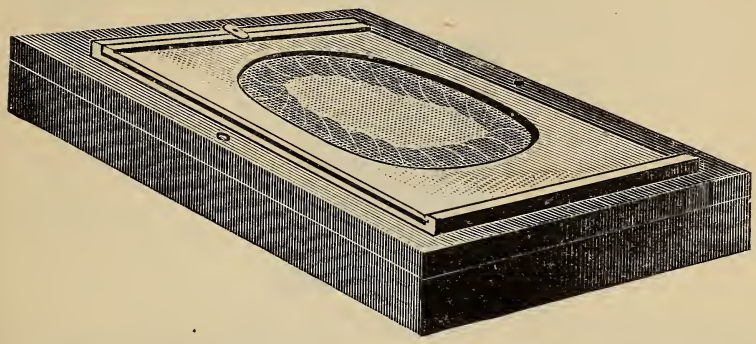
"ALPHA" CABINET.
PURE RUBBER ELASTIC BANDS
CHOICE ASSORTMENT FOR OFFICE AND HOME.
PARKER, STEARNS & SUTTON.
USE HARMAN'S PURE RUBBER FINGER SHIELD FOR PENHOLDERS

Choice Assortment for Amateur photographers of pure rubber bands—over 500, in eleven sizes, from one to three inches long, and from one-sixteenth to one-half inch in width. It also contains an "Ink Shield" for the pen, which not only saves your fingers, but your desk, books, and paper.

Price complete, each.....$1 25

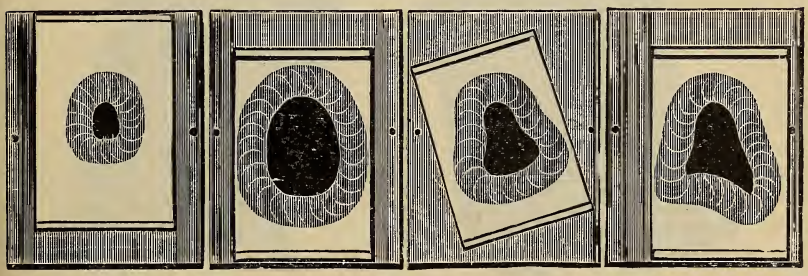
THE DIXIE VIGNETTER.

THE FIRST AND ONLY SUCCESSFUL ADJUSTABLE VIGNETTER.



Practicable, Cheap, Simple, Durable, and Indispensable to all Photographers who keep up with the times.

It is attached to the ordinary printing frame, and can be quickly, easily, and accurately adjusted to any Negative—the Pear, Oval, Round, Square, or any desired opening can be produced of any size required, and right where it is wanted.



The above shows a few of its many possible adjustments. The Dixie Vignetter is all complete. No separate parts to cost extra and get mislaid or broken, and it is always ready for use. It costs but a trifle and will pay many a dollar in time saved, besides producing superior results.

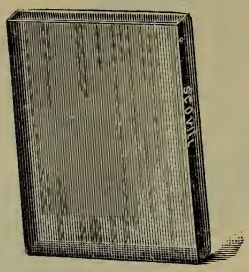
PRICE LIST OF THE DIXIE VIGNETTER.

Size.	Each.	Per Doz.	Size.	Each.	Per Doz.
3¼ x 4¼	$0 30	$3 50	5 x 8	$0 30	$3 50
4 x 5	30	3 50	6½ x 8½	45	5 00
4¼ x 6½	30	3 50	8 x 10	60	7 00
4¾ x 6½	30	3 50	10 x 12	75	9 00
5 x 7	30	3 50			

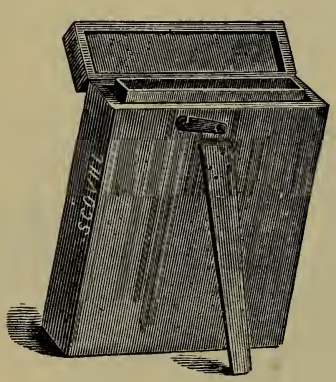
Sample by mail post paid, 10 cents additional.

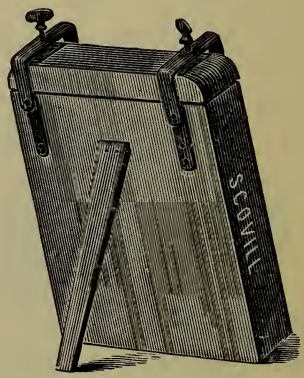
GLASSWARE.

SOLID GLASS BATHS.



Are made expressly for us of selected metal. Each bath will be warranted PERFECT in every respect. (We cannot guarantee against breakage in transportation.)





PRICES ARE AS FOLLOWS:

Size Inside Measurement.					In Original Package. Each.	In Hinged Boxes, and Top for Studio. Each.	In tight top Boxes, A. O. Co. make, for Outdoor Use. Each.
5	x 7,	for plate	4¼	x 5½	$0 95	$2 50	$5 60
7	x 10,	"	6½	x 8½	1 30	3 25	6 30
9	x 12,	"	8	x 10	2 00	4 50	7 60
11	x 14,	"	10	x 12	3 50	7 00	10 00
12	x 16,	"	11	x 14	5 25	8 75	12 00
16½	x 20½,	"	14	x 17	20 00	24 00	27 50
18	x 22,	"	17	x 20	30 00	40 00	43 00

FLUTED GLASS FUNNEL.

This is the latest and best glass funnel ever made. They are very strong; are made in moulds; have solid glass ribs on the inside, running vertically, thus forming passages through which the solution descends freely after passing through the paper, and accomplishing the filtration in a fraction of the time heretofore required. Another advantage of this funnel is, the outside of the neck is fluted, and the lower end beveled, so as to prevent choking up in the neck of the bottle and overflowing.

½ Pint	Each,	$0 15
1 "	"	20
1 Quart	"	30
2 "	"	45

SCOVILL GLASS PANS.

These pans are made of the best metal and are as serviceable as porcelain ware and much less fragile than India-rubber ware. Their transparency adds to their practical value.

Size.	Price Each.
4¼ x 5½ inches inside bottom of Pan	$0 25
5½ x 8½ " " "	35
7 x 9 " " "	65
8½ x 10½ " " "	75

GLASS FORMS.

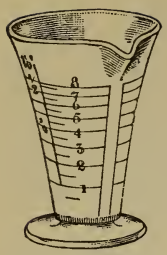
For cutting out photographic prints. Made of fine polished beveled edge glass.

Carte de Visite	$0 25
Stereoscopic	30
Cabinet	35
4 x 5	35
5 x 8	60
6½ x 8½	75
8 x 10	90

RUBY AND ORANGE GLASS.

For Dark Rooms.

Sizes.	Per Light.	Sizes.	Per Light.
6½ x 8½	$0 20	13 x 16	$0 70
8 x 10	40	12 x 20	90
10 x 12	50	18 x 19	1 25
9 x 16	55	13 x 32	1 50
11 x 14	55		



THE S. P. C. RELIABLE GRADUATES.

These Graduates are marked with great care and tested accuracy according to United States Pharmacopœia Standard.

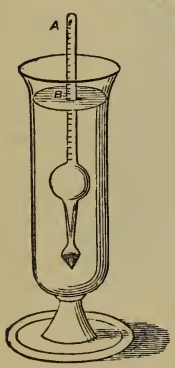
They have been selected for use in some of the largest laboratories in America, where perfect accuracy is essential.

They are put up each in a pasteboard box, labeled, as a safeguard against breakage.

Minim	$0 20	8 oz	$0 45
1 oz	20	12 "	60
2 "	20	16 "	75
3 "	25	24 "	1 00
4 "	30	32 "	1 25
6 "	35		

GLASS CUTTING DIAMONDS.

Ebony Handle, with Keys, each $3 50
" " plain 3 00
Engraving Diamond for numbering or lettering negatives 3 75



ARGENTOMETER KNOWN AS THE ACTINO-HYDROMETER.

For Testing Strength and Silver Baths.

Best Single Degree Scale $0 50

PILE'S SILVER TEST TUBE.

Price $2 00

CONVEX GLASS.

			Per Doz.	Per Gross.
Card size, Oval or Square	2⅝ x 3⅞	inches	$0 25	$2 25
Cabinet size, " "	4¼ x 6¼	"	45	5 40
Promenade size, Square	4⅛ x 7⅛	"	65	6 75
Panel shape, Square	4¼ x 8¼	"	80	8 50
Boudoir (R. C.) "	5¼ x 8½	"	1 05	11 00
Oval or Square	6½ x 8½	"	1 25	.....
" "	8 x 10	"	2 50	.....
" "	10 x 12	"	6 75	.....

GLASS STIRRING RODS.

8 inch, each	$0 10		22 inch, each	$0 30	
12 " "	15		24 " "	38	
15 " "	20		26 " "	45	
18 " "	25		30 " "	50	
20 " "	27				

Both ends are glaze finished.

HOLLOW GLASS TUBES.

FOR SILVERING PAPER.

(One end flattened to prevent its turning.)

15 inches long	½ inch diameter	each, $0 25	
19 " "	¾ " "	" 40	
24 " "	¾ " "	" 50	

☞ These are much stronger than solid rods.

GLASS MORTARS AND PESTLES.

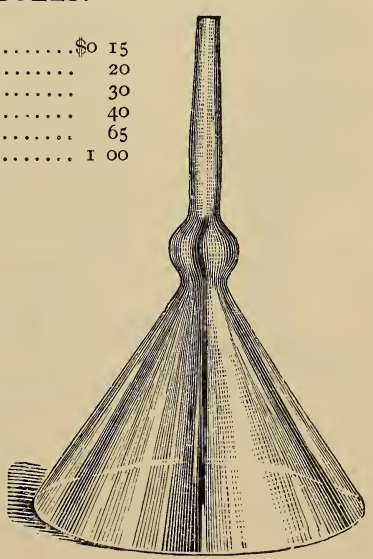
Glass, 2½ inch	$0 15	
" 3 "	20	
" 3½ "	30	
" 4 "	40	
" 5 "	65	
" 6 "	1 00	

GLASS FUNNELS.

¼ Pint	$0 10
½ Pint	12
Pint	15
Quart	20
2 Quarts	25
1 Gallon	50
2 Gallons	80

BULB FUNNELS.

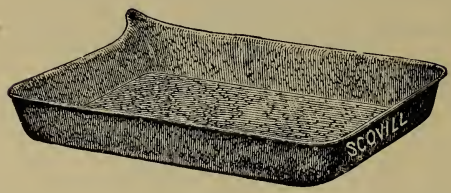
Pints	$0 34
Quarts	40
Half Gallon	85



AGATE-IRON WARE.

Patented May 30th, 1876, February 27th and July 3d, 1877.

AGATE-IRON LIPPED PANS.



(The Dimensions given are for Inside of Bottom of the Tray.)

Nos.		Shallow.	Deep.	Nos.		Shallow.	Deep.
31	5 x 7	$1 00	$1 25	34	10 x 12	$2 75	$3 25
32	7 x 9	1 25	1 75	35	11 x 14	4 00	4 75
33	8 x 10	1 75	2 25	36	14 x 17	6 00	8 00

PATENT BLACK JAPANNED DEVELOPING TRAYS.

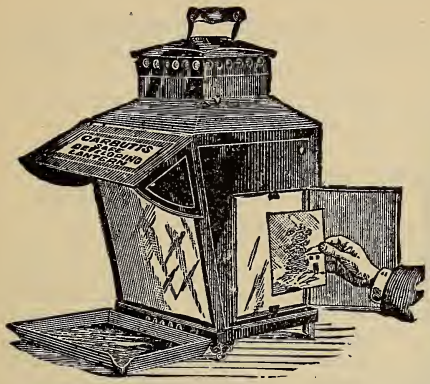
Made of selected metal for dry-plate photography, with depressions to prevent plate adhering to the tray.

Size.		Price, each.	Size		Price, each.
4¼ x 5½	inches	$0 20	19 x 22	inches	$2 00
5½ x 8½	"	25	19 x 24	"	
7 x 9	"	30	20 x 24	"	
9 x 11	"	40	22 x 26	"	2 50
10 x 12	"	50	24 x 30	"	2 75
12 x 15	"	60	20 x 32	"	3 00
15 x 18	"	1 00			

PAPIER MACHE TRAYS.

5 x 7	each,	$0 35	12 x 16	each,	$2 40
3¼ x 3¼	"	25	14¼ x 17¾	"	2 75
4¼ x 5¼	"	30	16½ x 20½	"	3 25
5 x 8¼	"	40	18 x 22	"	
7 x 9	"	60	19½ x 23½	"	5 00
8¼ x 10¼	"	90	23 x 27	"	6 00
10¼ x 12¼	"	1 25	26 x 30	"	9 75
12 x 14¼	"	1 75	28 x 34	"	10 50

MULTUM IN PARVO LANTERN.

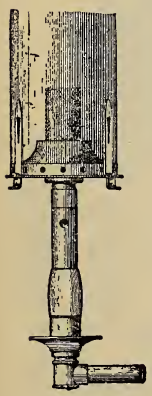


Lantern arranged for developing, and. after fixing, examining Negative by Opal Light.

The following are some of the advantages possessed by this lantern: It is simple and easy to manage, nothing complicated, yet has three separate and distinct forms of light, and can be used for seven or more different operations in photography. It is adapted for the use of either oil or gas; is provided with coal oil lamp, an improved patent burner and silver reflector; is about nine inches square by fourteen high, with 8 x 10 light of deep ruby glass in front, and hood for protecting the eyes from the glare of the red light. A full descriptive circular sent on application.

Price, boxed, ready for Shipment,.....$6 00

THE "ALADDIN" DARK-ROOM LAMP.

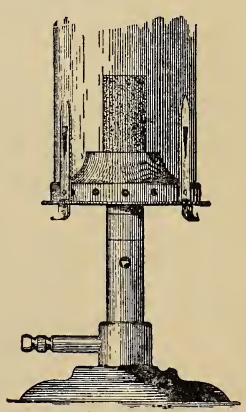


Aladdin Bracket Lamp.

PATENTED.

For use with gas, burning the patent Sodium Wick, which produces a non-actinic chemical flame. It gives a beautiful yellow light for dark-room use, which is perfectly safe, without smoke or odor; more brilliant than the ordinary ruby light, and both pleasant and restful to the eyes. The lamp is made in two styles: the Bracket Lamp, which may be slipped over any ordinary gas burner, and the Table Lamp, for which the gas connection is made by rubber tubing.

Price, including non-actinic amber chimney, extra brass tip, and box of chemical wicks, in wooden box complete.....$3 50

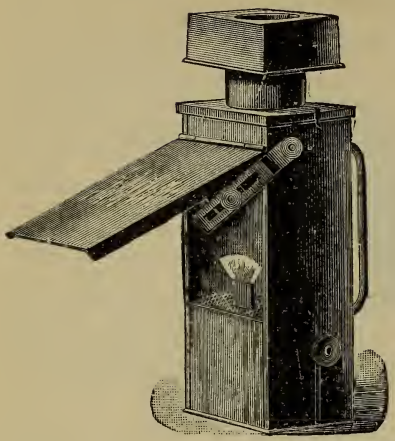


Aladdin. Table Lamp.

Extra chemical wicks, sufficient for one thousand hours' lighting, per box..... $ 35
Extra non-actinic amber chimneys.....each, 30

In ordering please specify whether Bracket or Table Lamp is desired.

W. I. A. RUBY LIGHT LANTERN.



Used when putting Dry Plates into the Holders, and also when developing them.

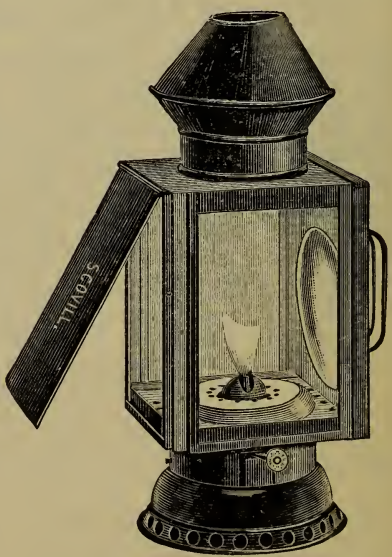
Price.....each, $0 60

THE NEW PEERLESS LANTERN NO. 3.

Scovill's Peerless Dark-room Lantern has long been a favorite with photographers, both professional and amateur. Many thousands have been sold during the years it has been upon the market. Improvements of a minor nature have been made in it from time to time by the manufacturers, but it has for the most part continued to sell substantially as it first appeared.

Recently, however, the manufacturers have given the lantern an entire overhauling. The result is a very much improved light and a more compact article.

The New Peerless Dark-room Lantern is considerably smaller than the original, though giving a greater illumination. The reflecting screen in front, to throw the light upon the developing dish, works with more convenience, not requiring the brass chain which the old lantern had. It also has a reflector inside, at the back of the lantern, to concentrate and better control the light. Two glasses—an orange and a ruby—enclose the lantern on four sides instead of one as heretofore, which makes the light not only a safer one for dark-room purposes, but also is pleasanter for the eye of the operator. The wick may be manipulated from the outside of the lantern, thus obviating the necessity of removing the lantern from the dark-room each time the wick needs adjustment. (The original lantern was so constructed that the lamp proper had to be removed before the wick could be adjusted.)



Price, No. 3.....$2 50

HAMMER PLATES.

Next to the camera and lens, the plates used are of the greatest importance in the production of good results. The Hammer Plates are absolutely reliable.

PRICE LIST.

HAMMER DRY PLATES.

Slow, Fast, Extra Fast.

Doz. in case.	Sizes.	Per dozen.	Doz. in case.	Sizes.	Per dozen.
30	2 x 2	$0 20	30	4 x 5	$0 65
30	2½ x 2½	30	30	4¼ x 5½	75
30	2½ x 4	35	30	4¼ x 6½	90
30	3 x 3½	35	26	4¾ x 6½	1 00
30	3¼ x 3¼	40	20	5 x 7	1 10
30	3¼ x 3½	40	20	5 x 8	1 25
30	3½ x 3½	40	12	6½ x 8½	1 65
30	4¼ x 4¼	60	12	7 x 10	2 10
30	3¼ x 4¼	45	12	8 x 10	2 40

X RAY PLATES.

Doz. in case.	Sizes.	Per dozen.	Doz. in case.	Sizes.	Per dozen.
10	5 x 7	$1 10	2	10 x 12	$3 80
10	5 x 8	1 25	2	11 x 14	5 00
6	6½ x 8½	1 65	1½	14 x 17	9 00
6	8 x 10	2 40			

HAMMER AURORA PLATES.

Extra Fast, D. C. Non-Halation.

Doz. in case.	Sizes.	Per dozen.	Doz. in case.	Sizes.	Per dozen.
18	3¼ x 4¼	$0 55	12	5 x 7	$1 40
12	4 x 5	80	12	5 x 8	1 55
12	4¼ x 5½	95	8	6½ x 8½	2 10
12	4¼ x 6½	1 10	6	7 x 10	2 65
12	4¾ x 6½	1 20	6	8 x 10	3 00

COOLIDGE'S
PHOTO-CARICATURE FOREGROUNDS.

We wish to call attention to COOLIDGE'S PHOTO-CARICATURE FOREGROUNDS. By investing a small amount in them you will be enabled to give your customers a vast amount of enjoyment and add materially to your cash account.

In photographing caricatures, the cardboard foregrounds are simply held up under the sitter's chin, as observed in small cut.

PRICE LIST.

For Single Foreground, mailed secure on roller.....$2 00

For Four Foregrounds, mailed secure on roller..... 6 00

For Ten Foregrounds, mailed secure on roller.....10 00

From among one hundred and fifty designs we note the following, being some of the most popular ones, for you to select from, although any *practical* design suggested by you will be furnished at regular price :

No.

1—A man riding a donkey, of course producing a very lively picture, entitled, "I am coming."

3—Man flying through the air on a goose, titled "Out on a Fly."

6—Man riding in donkey cart, evidently having an enjoyable time. "Have a ride?"

7—Person fishing from bank of stream. Hook about to be taken by a monster fish.

9—Represents a gentleman with bag and cane about to depart, entitled "Good-bye, Sweetheart."

11—A fat man. A good subject for a lean man to select.

13—"No one to love." Man with handkerchief in hand, weeping.

16—Girl promenading.

17—"When I joined the club." Fellow trying to ride a goat. Good for all Order men.

18—Holding the baby. Baby is crying and subject is walking the floor with it. Good for family men. (See cut above).

19—The bachelor. Man sewing on buttons. Good for a bachelor to send to a lady friend.

20—Man drinking a glass of lager. Taking among the Teutons.

21—"Put me in my little bed." Person in night gown with candle in hand.

23—A modern swell. Very captivating.

25—The base-ball player. Taking among fellows fond of the sport.

27—"Coney Island." Man bathing.

31—"I paddle my own canoe." Man in canoe.

38—"Only a chicken." Man or woman with chicken's body.

44—"Correct style." Man with high collar, mostly collar.

51—"I'm engaged!" Lady with ring on finger.

54—The Bicyclist. Very popular.

56—"I travel with the Circus." Man riding on elephant.

63—"Fresh from Cork." (Irish).

67—"Will you love me when I'm old?" By placing on the subject an old hat and eye-glasses, an exceedingly humorous caricature is obtained.

68—My Dog Cart. Man drawn by diminutive dog.

69—"Wait for me!" Agent running with bags.

99—Down in Florida. Man riding crocodile.

105—A Champion Pugilist.

116.—"Hot Day." Man with fan.

110—The Serenader. Fellow singing and playing the banjo.

120—A Man Tobogganist.

121—Young lady riding a donkey in fine style. Good companion for No. 1.

HANOVER RETOUCHERS.

Better than India ink for spotting and retouching prints. either before or after burnishing.

They dry with a gloss.

There are three dark tints matching the different shades of backgrounds.

The three white retouchers are very popular.

Hanover Retouchers are used in the leading galleries in New York, and have the highest commendation from the artists.

Price, 50 cents per cake.

GIHON'S OPAQUE

Is designed for completely obscuring the imperfect backgrounds of copies, retouching faulty skies in landscape negatives, coating the inside of lenses or cameras, backing solar negatives, covering vignetting boards, etc., etc. Wherever you want to keep out light, use Opaque. It is applied with a brush, dries quickly, and sticks.

Price, per box.....$0 50

INDIA INK.

Lion Head India Ink, per stick.....$0 20

WAGNER'S "HANOVER" SPOTTING COLORS.

The colors are made in two styles, to dry with and without gloss.

Glossy.

Nos. 1, 2, 3, Dark Tint, } Per Single Cylinder.....$0 30
Nos. 1, 2, 3, Light Tint, }

Dull.

Nos. 1, 2, 3, Dark, in Tubes, each.....$0 25
Set of Six Gloss Cylinders in polished wood box..... 2 00

ANILINE BLUE.

Dissolve one-half ounce aniline blue, letter R, in sixteen ounces water. When your fixing bath is made up, add from thirty to forty drops of the blue to every forty ounces of fixing bath. Fix your prints from twelve to fifteen minutes, and remove to a strong solution of salt and water. Let them remain five minutes, and then gradually dilute with fresh water, so that the change of temperature will not be too sudden, and you will never be troubled with blisters, and will always have pure whites.

Full directions for using accompany each box; also splendid formula for printing bath, toning, fixing, etc.

Price, per package.....$0 35

WATERBURY TRAYS.

(PATENTED.

In response to repeated and urgent solicitations we were induced to put upon the market "Waterbury Trays," constructed upon more scientific principles than any other wooden tray in the market.

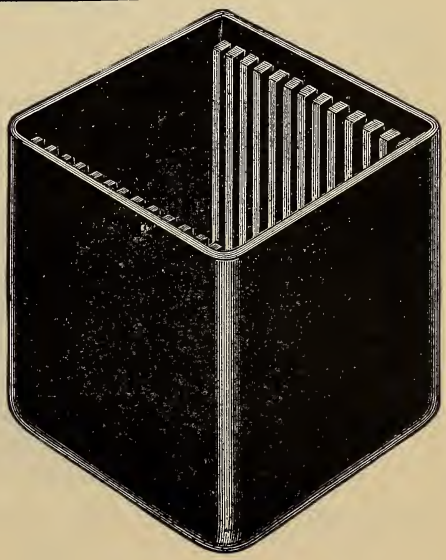
The following description and illustration is taken from *The Photographic Times:*

"These trays are far superior in design and finish to any previously offered. Canvas is not required for the seams, as they are virtually seamless. The bottom rests on cross-strips —a great improvement, for steadiness, over knobs at the corners, which were liable to be broken off. The Waterbury Trays do not warp or crack."

	Price List.	Each.
15 x 19	Waterbury Tray,	$3 50
19 x 24	" "	5 00
22 x 28	" "	6 50
25 x 30	" "	9 00

SCOVILL HARD RUBBER FIXING BATH.

4 x 5	$2 15
4½ x 6½	2 30
5 x 7	2 60
5 x 8	2 85
6½ x 8½	3 50
8 x 10	4 00

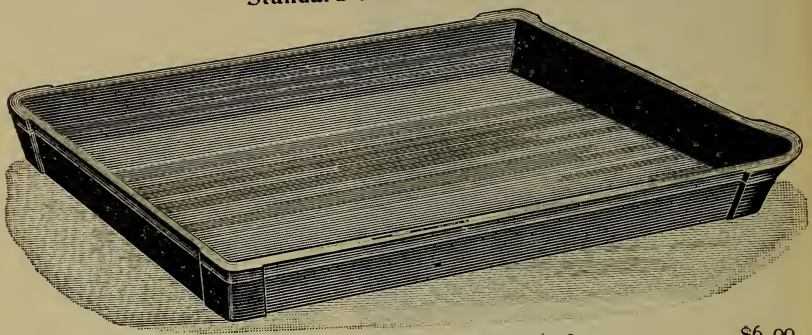


VULCANITE RUBBER TRAYS.

There is a vast difference between an ordinary Rubber Tray and the best Rubber Tray, which is the

SCOVILL VULCANITE RUBBER TRAY, OR SCOVILL'S PURE HARD RUBBER TRAY

Standard No. 1 Vulcanite.



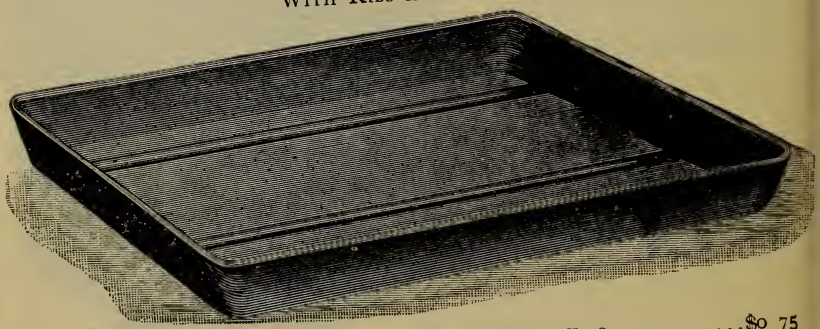
4¼ x 5¼	$0 55	8½ x 8½	$1 25	18 x 22	$6 00
5¼ x 7¼	70	10¾ x 12¾	1 85	19 x 24	6 75
5½ x 8½	80	12 x 16	2 80	21 x 26	8 50
7 x 9	95	15 x 19	4 75		

STANDARD No. 2 SIMPLEX TRAY.

4¼ x 5¼	$0 40	8½ x 10½	$1 00
5¼ x 7¼	50	10¾ x 12¾	1 50
5⅛ x 8½	60	12 x 16	2 50
7 x 9	75		

SCOVILL'S GLOSSY RUBBER TRAY,

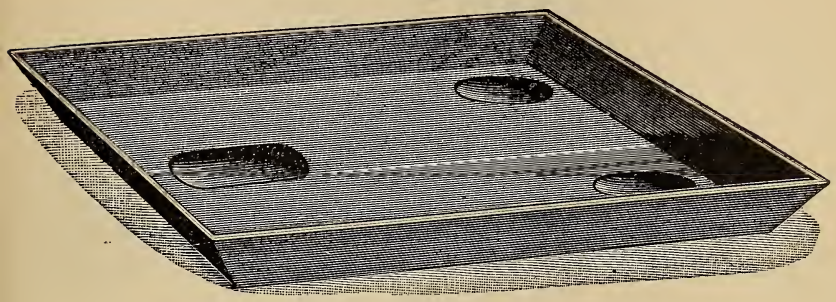
With Ribs in Bottom.



No. 29.—4⅜ x 5⅝	$0 30	No. 49.—7 x 9	$0 75
" 39.—5½ x 8½	60	" 59.—8½ x 10½	1 15

SCOVILL'S GLOSSY RUBBER TRAY,

THE DOUGLAS PATENT WITH THREE DEPRESSIONS IN BOTTOM.



No. 25.—4⅜ x 5⅝	$0 35	No. 45.—7 x 9	$0 85
" 35.—5½ x 8½	65	" 55.—8½ x 10½	1 25

PORCELAIN WARE.

PORCELAIN TRAYS.

(The Dimensions given are for Inside the Bottom of the Tray.)

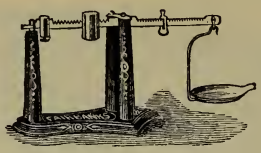
4 x 5	$0 45	10 x 12	$1 66
5 x 7	62	11 x 14	2 64
5½ x 8½	75	14 x 17	6 60
7 x 9	82	15 x 19	8 00
8 x 10	1 00	19 x 24	16 00

BERLIN PORCELAIN EVAPORATING DISHES.

No.		
00.	Diameter, 16 inches, containing 3 Gallons	$5 00
0.	" 14 " " 2 "	3 50
1.	" 12 " " 1 "	2 10
2.	" 11 " " 3 Quarts	1 75
3.	" 10 " " 2 "	1 30
4.	" 9 " " 3 Pints	1 00
5.	" 8 " " 2 "	85
6.	" 7 " " 24 Ounces	75
7.		65
8.		55

PHOTOGRAPHERS' SCALES.

PRESCRIPTION PATTERN.

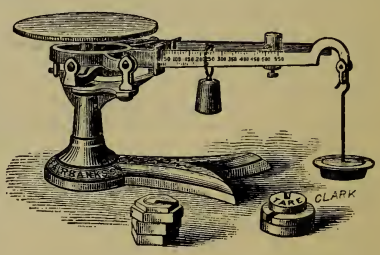


This well-known scale is adapted for the finer class of photographers' work and is much used by amateurs for general weighing. It has a capacity indicated on the beam, without loose weights, of ½ grain to 8 drachms.

No. 3040, 2½ inch Movable Pan.....each, $5 00

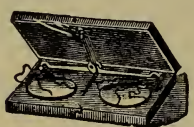
SOLUTION SCALES.

These scales are especially designed for weighing liquids and solutions, instead of measuring them, and are provided with a tare beam for balancing the bottle before use. The practical advantage of placing a bottle on the scale and weighing, without removing it, all the constituents of the developer, both liquid and solid, will be readily appreciated.



No. 481, Capacity 1 gram to 4 kilos., or 1-16 oz. to 8 lbs., each.....$10 00

POCKET SCALES.



IN MOROCCO COVERED BOXES.
BRASS BEAM AND WEIGHTS.

	Each.
5 inch Beam, Brass Pans,.....	$0 75
6 " " " "	1 00

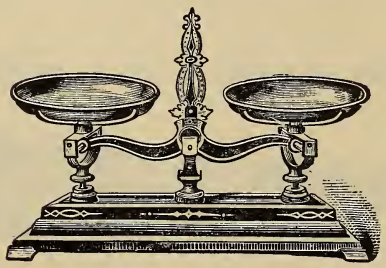
IN OAK BOX.
STEEL BEAM AND WEIGHTS.

	Each.
6 inch Beam, Brass Pans,.....	$1 50
8 " " " "	2 00

SCALES AND WEIGHTS.

5 in. Beam Scales, in wood or tin boxes.....$0 65
6 in. " " " 75
8 in. " " " 1 25

ROBERVAHL PATTERN.

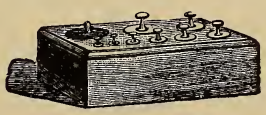


Neatly Ornamented in Gold Lines.

Heavy Brass Pans and Brass Indicator.

No. 2, 9 inch Pan, price without weights.....each, $7 50
" 3, 8 " " " " " ..... " 6 00
" 4, 6 " " " " " ..... " 5 00

BLOCK WEIGHTS.



Solid Brass in Cherry Block.

TROY.		AVOIRDUPOIS.	
			Brass.
1 oz. to ½ grain.....	$1 00	1 lbs. to ⅛ oz.....	$2 25
Two 2 ozs. " "	1 75	2 " " "	3 50
5 " " "	2 50	4 " " "	5 00
10 " " "	4 00		

METRIC WEIGHTS.

SOLID BRASS IN CHERRY BLOCK.

20 gram piece and down to 1 centigram $0 65
50 " " " " " " " 1 10
100 " " " " " " " 1 60

SQUARE ALUMINUM GRAIN WEIGHTS.

MADE OF PURE SHEET ALUMINUM; MADE CONCAVE, SO THEY CAN BE PICKED UP READILY.

½ grain to 10 ..... per set, $0 40

NEST WEIGHTS.

	Sealed Iron.	Sealed Zinc.	Sealed Brass.
Capacity 8 lbs. down to ¼ oz.	$2 75	$5 50	$11 00
" 4 " " " "	1 75	3 50	6 00
" 2 " " " "	1 25	2 50	3 50
" 1 lb. " " "	1 00	1 75	2 00
" 8 ozs. " " "	0 75	1 25	1 50

THE BRILLIANT DEVELOPER.

This new developer surpasses all others in *covering power* and *cheapness;* it keeps for weeks after use, and a surprising number of plates can be developed in the same solution before it is exhausted. With equal exposures and equal time of development it will give as an average *three times* more *covering* than any other developer. It is a liquid developer and ready for use after being mixed with an equal quantity of a 10 per cent. solution of carbonate of Potash. It is very clean and discolors very little, even when kept some time after use.

After extensive tests. comparing it with Pyro, Ferro Oxalate, Hydrochinone, Metol Eikonogen, Amidol, etc., etc., it has been ascertained, that in using the Brilliant Developer as an average only *one third* of the time of *exposure* is necessary, compared with the exposure required when developing with the other developers, which is an enormous advantage, especially during dull weather. Thus much money, time, and work can be saved on plates, which otherwise would have been *lost* by *under exposure* or the object having *moved.*

The price is very moderate and lower than of most developers at present in use, as the same solution can be used over and over again by adding from time to time some fresh Brilliant Developer.

The success this new developer is having in Europe is simply marvellous, especially with professional photographers, who are, as a rule, so reluctant to try new materials. It has obtained a prize at the *Berlin Exhibition for Photography*, and scores of testimonials are arriving every week.

FORMULA.

Dissolve 1 oz. of Pure Carbonate of Potash in 10 ozs. of water.

Mix 1 oz. of Brilliant Developer with 1 oz. of the above Potash solution.

If very soft negatives are required the proportion of Potash solution may be increased.

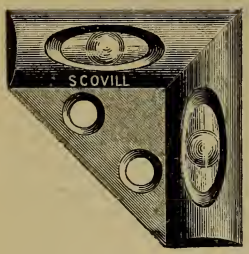
FOR DEVELOPMENT OF BROMIDE PAPER, for which the Brilliant Developer is also particularly suitable the following proportions are recommended:

½ oz. of Brilliant Developer.
½ " Potash Solution.
1 " Water.

This will develop a great number of Prints. For softer results more water must be added.

PRICE.

Quart Bottles	$1 40
16 oz. "	75
8 " "	50



THE SCOVILL DOUBLE LEVEL.

The Scovill Double Level will be appreciated by landscape and tourist photographers. It is quite compact and may be attached to the body of hand cameras, but if a tripod camera is used it should be attached to the swing-back, and may be used with cameras of all sizes.

Price.....$0.40

Keystone Lantern Slide Mats with gilt line around opening, per 100, 75c.; in packages of 25.....$0 25
" **Adhesive Binding Strips for Slides,** per 100..... 20
" **Thin Crystal Cover Glass,** 3¼ x 4, per dozen (subject to change)..... 35
" **Yellow Color Screens,** for use with orthochromatic plates, made of two cemented plate-glass; sizes, 2¼ x 2½, $1.00; 3½ x 3½..... 1 50
" **"Roxyline" Enamel,** for varnishing positives, transparencies, and negatives. Used cold. 8 oz. bottle..... 75
Britannia Alcohol Lamps, small flame..... 60
" " " medium " 70
" " " large " 1 25
Tin Alcohol Lamps, medium flame..... 60
Shears, 9 inch, common..... 25
" 9 " medium..... 50
" 9 " good..... 1 00
" best.....$1 50 to 2 50
Troxell's Silver Erasive Soap per cake..... 15
French Pipettes, each..... 10

PHOTO-ENGRAVING OUTFIT.

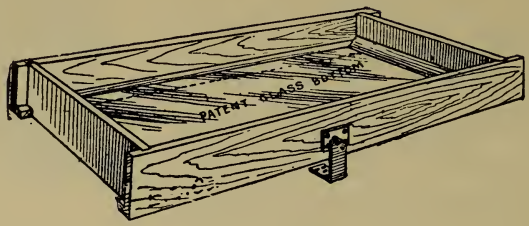
It is impossible to prescribe any given outfit for photo-engraving, either for half tones or line work, as much depends on the size and the amount of work to be done. However, the following is a list of articles for half tone work, not including additional machinery employed for facilitating the mechanical part of the work, such as routers, saws, etc., etc.

1 10x12 Scovill enlarging, reducing, and copying camera, fitted with Scovill-Levy photo-engravers' adjustable screen plate holder,..$56 00
1 Camera swing 25 00
1 Copy holder 4 00
1 10x12 Levy screen, 133 lines to the inch..... 80 00
1 Series VI, No. 2 Steinheil lens..... 69 00
2 1-gallon glass funnels, at 25c..... 50
2 8-ounce glass funnels, at 12c..... 24
1 Package filtering paper No. 35..... 75

PHOTO-ENGRAVING OUTFIT.—Cont.

1	Hydrometer	50
1	10x12 Glass bath in a studio box	7 00
1	Rubber dipper for same	60
1	2-gallon evaporating dish	3 00
2	10x12 Porcelain trays, at $1.66	3 32
1	10x12 Rubber trays, at $1.75	3 50
2	16-ounce glass graduates, at 75c	1 50
4	4-ounce " " 30c	1 20
1	9x11 Photo-engravers' printing frame with one inch thick glass	9 50
1	Negative rack	50
1	Gelatine or combination roller, 12 inch	6 00
1	French roller, 12 inch	10 00
1	Pair pincers	1 00
2	Acid brushes	3 50
1	Ink spatula	1 75
1	Zinc hook for cutting zinc plates	1 75
	Retouching brushes	50
1	gallon absolute alcohol	4 00
3½	lbs. Ether	2 63
4	ozs. Gun cotton, at 50c	2 00
4	" Iodide potash	1 20
2	" Resublimed iodide	70
1	lb. Nitrate silver, bulk	8 50
1	" Absorbent cotton	75
5	" Protosulphate Iron, at 10c	50
1	" Citric acid	70
1	" Bichloride mercury	1 00
	Cyanide of potash	3 25
1	lb. Glycerine	30
5	books Litmus paper, at 5c	25
1	lb. Liquid ammonia	32
½	" Nitric acid chemically pure	45
1	gallon Benzole	1 50
1	lb. Bichromate ammonia	75
1	" Caustic potash	15
8	" Nitric acid, commercial	3 60
1	" Ferric chloride, one bottle	30
1	" Rubber cement	30
1	" Nitrate of lead	1 00
1	" Ferricyanide of potash	1 00
1	" Transfer ink	5 00
½	" Engravers' charcoal	1 50
1	" Pumice stone	10
5	" Sulphate copper	2 00
2	" Brass nails, ⅜ inch, at 40c	80
1	" Lithographic ink, black	3 50
1	gallon Le Page's glue	3 25
1	set Engravers' tools	1 50
1	" Retouching tools	2 50
1	Darlot focusing lens	2 30
1	set Roulettes	6 00
1	lb. Dragon's blood	90
	Zinc plates, polished, per square inch, 1 ct.	
	Copper " " " " 1½ "	

IMPROVED GLASS BOTTOM ETCHING TUB.



16 x 23 inches.....$9 90

ETCHING TANKS.

5 ft. 2½ in. top outside, 4 ft. 2½ in. bottom outside, 1 ft. 8 in. wide inside, 4 ft. long $7 50

3 ft. top, 2 ft. 2½ in. bottom outside, 1 ft. 8 in. wide and 2 ft. long inside 5 50

Warranted to hold acid. Any size made to order.

WHIRLER.

This Whirler is much more substantial and works more satisfactorily than the old style. The bearings and pulleys are of iron, turned so as to fit nicely and run true. Mounted on a hardwood base and provided with clamps.

For plates 8 x 10 inches.....$6 50 | For plates 11 x 14 inches.....$10 50

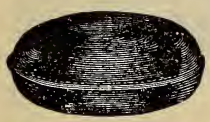
Other sizes made to order.

KNURLS AND ROULETTES.

For dotting outrunning lines or making dark spaces lighter.

Each.....$0 75
Knurl Holders, Plain.....each, 50
" " Universal..... " 1 00
Roulettes, "Keating's," for touching up Half-tone Plates, Straight Line, Cross Line, Single Line, Half-tone, Left Diagonal, Right Diagonal, of the following denominations: 160, 140, 120, 100, 94, 80, 79, 77, 60, 50, and 30 lines to inch.....each, 2 50

ENGRAVERS' PADS.

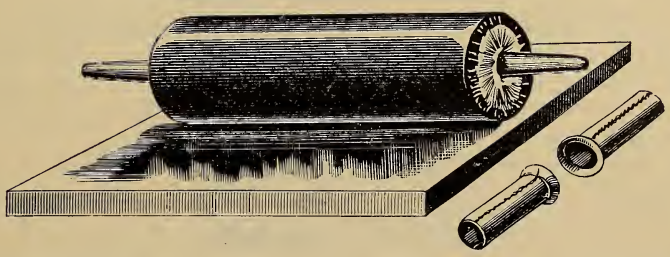


4-inch.....	Filled,	$1 00	Empty, $0 40
5 "	"	1 25	" 50
6 "	"	1 50	" 70
7 "	"	2 00	" 80
8 "	"	2 50	" 1 00
9 "	"	3 00	" 1 25

STEEL HOOK.

Steel Hook, for cutting zinc plates desired sizes.....each, $1 75

FRENCH ROLLER.

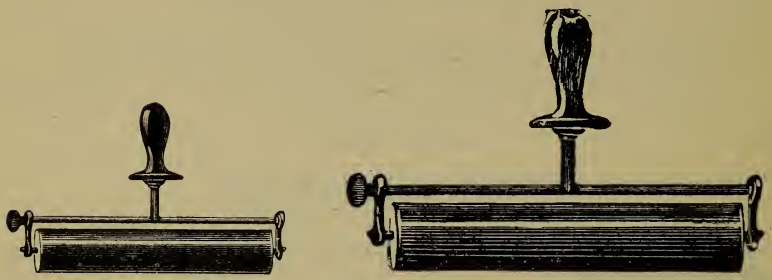


13 inch, prepared.....each, $8 00

INKING SLABS.

15 x 15-inch.....each, $2 00
15 x 18 " ..... " 2 25

COMPOSITION ROLLER.



13 inches, boxed.....each, $6 00
10 " " ..... " 5 00
6 " " ..... " 3 50
4 " " ..... " 2 00

Other sizes made to order.

ROLLER CASE.

Roller Case, to protect Roller when not in use .....each, $1 75

INK SPATULAS.

7-inch.....each, $1 00

CROSS LINE SCREENS.

*Sizes in Inches.	Lines per Inch.						
	75, 80 or 85	100	110 or 120	125 or 133	140 or 150	166 or 172	200
6 x 8	$15 00	$18 00	$20 00	$22 00	$26 00	$32 00	$40 00
6½ x 8½	18 00	20 00	24 00	28 00	32 00	40 00	50 00
7 x 9	24 00	25 00	30 00	36 00	42 00	50 00	65 00
8 x 10	32 00	35 00	42 00	48 00	54 00	68 00	82 00
9 x 11	35 00	40 00	55 00	60 00	70 00	85 00	100 00
10 x 12	40 00	52 00	72 00	80 00	95 00	110 00	130 00
11 x 14	60 00	80 00	100 00	115 00	135 00	150 00	180 00
12 x 15	80 00	105 00	135 00	148 00	180 00	200 00	235 00
13 x 16	100 00	130 00	166 00	188 00	210 00	245 00	300 00
14 x 17	125 00	165 00	200 00	230 00	275 00	300 00	375 00
15 x 18	160 00	200 00	240 00	275 00	330 00	375 00	
16 x 20	190 00	240 00	280 00	330 00	375 00		
17 x 21	230 00	285 00	330 00	375 00			
18 x 22	275 00	325 00	385 00				

Quotations on larger sizes, up to 32 x 38 inches, will be furnished on demand.

For Single Rulings deduct 33⅓ per cent.

Plates of other sizes will be charged in proportion to the above list in superficial area.

Trial Sizes, and all Sizes up to 5 x 8.

Sizes.	All Rulings up to 133	140 or 150	166 or 175	200
3¼ x 4½	$2 00	$3 00	$5 00	$8 00
4 x 5	4 00	6 00	8 00	12 00
4¼ x 6½	6 00	8 00	10 00	16 00
5 x 7	12 00	14 00	18 00	22 00
5 x 8	14 00	17 00	22 00	32 00

Note.—These sizes are not usually cut exact as marked: they are about ¼ inch larger each way unless ordered of specific size.

These dimensions give the largest picture that can be conveniently made. The outside measure of plates is from one-half inch larger on the smaller sizes to three-quarters of an inch on the larger size plates.

ENGLISH GLASS FOR NEGATIVES.

Put up in quarter dozen packages.

14 x 17	$0 60	10 x 12	$0 30
11 x 14	35	8 x 10	28
6½ x 8½	$0 23		

ONE QUARTER-INCH PLATE GLASS.

8 x 10.....each, $0 30 | 10 x 12.....each, $0 40

14 x 17.....each, $0 70

Other sizes cut to order.

COPPER AND ZINC PLATES FOR PHOTO-ENGRAVING.

Our copper rolling mills are especially fitted up for making copper and zinc plates for photo-engraving. It is very essential that copper and zinc, whether in strips or plates, should be rolled perfectly even for photo-engraving, and that the surface should be perfectly free from any imperfection, whether visible or invisible to the naked eye, and *our copper and zinc should invariably be used for this purpose.*

Price of Copper Plates	per inch,	$0 1½
" " Sheets, machine polished	per lb.,	34
" Zinc Plates	per inch,	01
" " Sheets, machine polished	per lb.,	25

Send for estimate when specially large quantity is required.

MISCELLANEOUS ODDS AND ENDS.

Scovill Transfer Etching Ink	per lb.,	$5 00
Dragon's Blood (best etching powder)	"	85
Scovill Engraver's Charcoal	"	3 00
Pulverized "	"	50
" Pumice Stone	"	10
Scotch Stone	"	25
Brass Wire Nails, ¾ inch, for blocking on wood	"	30
" " ¼ " " " metal	"	30
Etching Brushes, prepared	each,	65
Finishing and Blocking Set (9 tools)	per set,	2 50
Engraver's Set (4 tools and handles)	"	1 50
Blocking Wood	per sq. ft.,	65

ZINC.

In sheets 15 x 36, highly polished, ready for printing, suitable for the highest grade of either line or half-tone		5 00
In sheets 15 x 36, machine polished, for newspaper work	per lb.,	25
" " unpolished	"	16
Any sizes polished and cut to order	per sq. in.,	01

COPPER.

In sheets 15 x 36 or 16 x 36, highly polished, etc	per sq. in.,	1¼
" " " machine polished	per lb.,	35
" " " unpolished	"	24
Any size polished and cut to order	per sq. in.,	1½

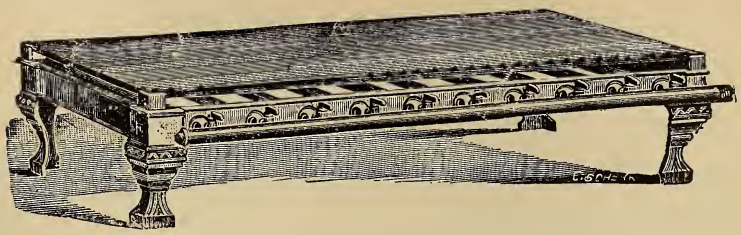
RUBBER.

For Turning	8-oz. bottles,	40

ASPHALTUM.

In solution, for coating backs of plates and stopping out	8 oz.,	40

GAS OVENS.



Heated by Bunsen Gas Burners which run crosswise underneath the plate. One or two burners will heat enough to melt powder on a small plate. It will be seen that a part of the surface of the plate can be kept ready for instant use with a very small expenditure for gas, and the amount of heated surface can be quickly increased when necessary.

18 x 18	$15 00	With hood	$20 00
18 x 24	20 00	With hood	25 00
18 x 26	25 00	With hood	30 00

In place of the iron plate usually supplied, we furnish a metal frame. This allows the heat to penetrate more quickly, and thus heat the plate very rapidly. At the corners of this frame are eyelets. From these, wires can be run to the ceiling, and by merely placing the plate on the frame a movement is imparted which will cause the heat to be much more evenly distributed than if the plate were moved by hand, while at the same time the operator is relieved of the weight. Prices, without hoods, same as above. We cannot furnish hoods with this style.

FERROTYPE PLATES.

Champion, Box of 200 10 x 14 Egg-shell, Black or Chocolate	$20 00
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Union, Box of 200 10 x 14 Egg-shell, Black or Chocolate	15 00
Per doz	90
Centennial, Box of 200 10 x 14 Egg-shell, Black only	12 50
Per doz	60
Peerless, Box of 200 10 x 14 Egg-shell, Black only	7 50
Per doz	50
Rival, Box of 200 10 x 14 Egg-shell, Black only	7 00

SCOVILL FERROTYPE OUTFIT.

Complete for Work in a Small Gallery.

1	5 x 7 New Haven Standard Victoria Camera, Making 1 on Plate 2 x 2½ inches; 1 on Plate 3¼ x 4¼ inches; 1 on Plate 2¾ x 3¼ inches; 1 on Plate 5 x 7 inches; 4 on Plate 5 x 7 inches; 8 on plate 5 x 7 inches	$18 00
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1	Back Support for Head Rest	75
1	4 x 6 (Background)	4 75
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1	7 x 9 Deep Agate Tray	1 25
1	4-Ounce Graduate	33
1	8 " "	45
1	1-Quart Glass Funnel	20
2	1-Pint " " at 15c.,	30
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100	No. 15 " "	40
100	No. 4 " "	20
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1	Drying Rack	50
1	Varnish Pot	50
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½	lb. Nitrate Silver (1 bottle)	6 00
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2	8-oz. " " Varnish at 50c.,	1 00
1	oz. Resub. Dry Iodine	35
1	lb. P. S. Iron (1 can)	15
½	lb. Cyanide of Potassium	45
½	Pint Parlor Paste	25
1	1-inch Bristle Brush	12
1	Dozen Gum Paper	50
¼	lb. Absorbent Cotton	32
2	lbs. No. 8 Acetic Acid at 20c. lb.,	40
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" ferro-cyan	"	.25
" meta-bisulph	"	.66
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" acid bisulp. sol	"	.05
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Bottles, cans, and cartons, extra. Special quotations made on quantities.
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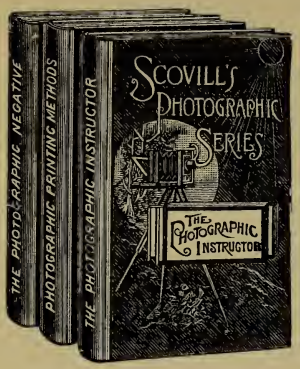

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